

Measurement Unit

Customary - Length

Customary - Capacity

Customary - Weight

Metric - Length

Metric - Capacity

Metric - Mass

4th through 8th Grades

Six (6) - 10 Day Units

5 – 10 Minutes Per Day

Executive Summary

Measurement Unit

This program is designed to obtain with specific curricular and student learning outcomes. The overall program is divided into six (6) discrete ten (10) day measurement sections – sixty (60) total days. The six sections are divided into the three (3) Customary Measurement Areas (Length, Weight and Capacity) and three (3) Metric Measurement Areas (Length, Weight and Capacity).

4th grade through 8th grade students are exposed to these measurement content areas via this daily process. The students will know and master the *basic facts on measurement unit equivalencies and magnitudes*. It is the first step in the learning process to completely understand measurement quantities, and the teacher should focus heavily on magnitudes as these six (6) sections are each taught. For example, as a freshman civil engineering university student over 30 years ago, I was unfamiliar with the magnitude of the metric system ‘force’ unit of a Newton. The professor indicated that the magnitude of a Newton could be easily remembered as ‘a quarter pounder’ from McDonald’s. Hence, from that day forward, I could easily visualize a Newton force in those terms – given a ‘quarter pound’ is approximately equivalent to one Newton force. Specifically, if a metric force is 800 Newton force it is *about* 200 pound-force (exactly 179 lb-force) in the customary system of units. A student is available to visualize the metric force in terms that are readily understood in their world reality. Analogously, elementary and middle school students must also visual the approximate lengths of an inch foot, yard, mile, millimeter, centimeter, meter, kilometer, ounce, pound, ton, gram, kilogram, etc. Students should NOT rely on the need to search for these common unit equivalencies and magnitudes on the Internet. *Students must possess this basic, everyday knowledge stored in long term memory ready for immediate recall.*

The next step(s) in the lesson progression is working with rulers, scales, and triple beam balances as well as different capacity aspects to further understand both customary and metric units. It should be noted that customary rulers require the students to have a basic understanding of fractional units up to a sixteenth (1/16th) of an inch as well as equivalent fraction concepts prior to becoming fully adept at using a ruler. Separate lessons on effectively and efficiently using a ruler are necessary before accurately measuring the length of any object is possible. Hence, the student must learn those lessons beginning in the fourth (4th) grade. Additionally, both whole number and decimal multi digit multiplication and addition skills are also needed for exercises in measuring parallelograms (and three dimensional objects) and computing the perimeter, area and volume in both customary and metric units. Hence, those skills also need to be taught to mastery for a student to competently measure the parallelogram’s sides and then add or multiply the sides.

These sheets are divided into 3 student sheets per page to save on Xerox copying. A class of 22 students require only 8 Xerox copy sheets per day, and an answer key is available for each day at the end of each unit. The teacher can quickly complete this daily measurement activity with their students and require students to turn the sheet over and proceed into a quick review using a spaced repetition methodology on prior lesson content or skill development in needed curriculum areas. After this unit is completed, students’ understanding and content base knowledge will be beneficial not only in other mathematical content areas, but in their science classes as well.

Final Note: As middle school students compute *equivalent* metric units from customary and vice versa, it is absolutely essential they memorize one fundamental transition equivalency in each corresponding measurement area. It is strongly recommended that students use the *factor dimensional method* to ensure that students are accurate in their computations and fully understand the meaning behind the process.

For example,

Length: 2.54 centimeters (cm) = 1 inch

Capacity: 1 cm³ = 1 ml & 1 Liter = 1.06 quart & 16 ounces = 1 pound

Weight/Mass: 454 grams = 1 pound.

Measurement

Customary – Length

4th through 8th Grades

10 Day Unit
of 60 Day Measurement Program

5 – 10 Minutes Per Day

Customary – Length Section

4th - 8th Grade Five-Minute Daily Measurement Warm-Ups

This 10 day program (per section) is intended to provide basic skill levels in converting and understanding magnitudes in the following measurement areas/sections:

- 1.) Customary Measurement (Length): inches, feet, yards and miles.
- 2.) Customary Measurement (Capacity – Volume): ounces, cups, pints, quarts and gallons.
- 3.) Customary Measurement (Weight): ounces (dry), pounds and tons.
- 4.) Metric Measurement (Length): millimeters (mm), centimeters (cm), meters (m) and kilometers (km)
- 5.) Metric Measurement (Capacity): milliliters (ml), Liters (L) and Kiloliters (kl)
- 6.) Metric Measurement (Mass): milligram (mg), grams (g) and kilograms (kg)

The warm-ups are designed so the children can readily pick them up as they enter the classroom or the warm-ups are distributed normally through classroom procedures. The teacher must make minimal copies, since the sheets may be separated into 3 student sheets per page. Hence, with 24 students – only 8 Xerox copies need to be made for an entire classroom. An answer key is provided at the end of the packet.

Section 1.) Customary Measurement (Length): inches, feet, yards and miles are included in this instructional packet.

Customary Measurements in Length are challenging for many 5th - 8th graders due to the fractional elements of an inch. Consequently, when students begin working with rulers at the onset of a new school year, they should primarily use a ruler for whole numbers only (and possibly halves and quarters, if the students are ready). However, a high level numerate understanding of converting and working with these customary distances is highly beneficial to a student when they begin using a ruler to measure distances as well as when the measurement terms and computations appear in word problem exercises.

It is recommended that the teacher use visual aids to assist students (a ruler and a yard stick) to assist them in visualizing the magnitude or length of a foot or a yard (classroom floors are often laid with 12 inch by 12 inch square plastic tiles – distances of a foot and a yard are easily shown to students using the tiles on the floor as a reference). An inch can be displayed to students as the approximate ‘middle distance’ of the index finger as the finger is curled toward the palm. Also, when explaining the distance of a mile, it is recommended that a reference distance be chosen that students are familiar (usually the distance from the school to a known building or landmark).

When students struggle with certain problem types in the daily warm-ups, it is a clear indication that the students need more practice with that concept, not less. It is advisable for the teacher to present quick practice examples in math class or during transition periods until students master that concept or problem type.

It is also recommended to use these short daily measurements in conjunction with a Space Repetition System classroom instructional methodology.

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) Inches in a foot _____ | 7.) 2 feet = _____ inches |
| 2.) Inches in a yard _____ | |
| 3.) Feet in a yard _____ | 8.) 24 inches = _____ feet |
| 4.) Feet in a mile _____ | |
| 5.) About how tall is the door in feet? _____ | 9.) 6 feet = _____ yards |
| 6.) About how many feet is the length of a bus? _____ | 10.) 2 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) Inches in a foot _____ | 7.) 2 feet = _____ inches |
| 2.) Inches in a yard _____ | |
| 3.) Feet in a yard _____ | 8.) 24 inches = _____ feet |
| 4.) Feet in a mile _____ | |
| 5.) About how tall is the door in feet? _____ | 9.) 6 feet = _____ yards |
| 6.) About how many feet is the length of a bus? _____ | 10.) 2 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) Inches in a foot _____ | 7.) 2 feet = _____ inches |
| 2.) Inches in a yard _____ | |
| 3.) Feet in a yard _____ | 8.) 24 inches = _____ feet |
| 4.) Feet in a mile _____ | |
| 5.) About how tall is the door in feet? _____ | 9.) 6 feet = _____ yards |
| 6.) About how many feet is the length of a bus? _____ | 10.) 2 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) Inches in a foot _____ | 7.) 3 feet = _____ inches |
| 2.) Inches in a yard _____ | |
| 3.) Feet in a yard _____ | 8.) 36 inches = _____ feet |
| 4.) Feet in a mile _____ | |
| 5.) About how tall is the teacher's desk in feet? _____ | 9.) 9 feet = _____ yards |
| 6.) About how many feet is the length of a car? _____ | 10.) 3 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) Inches in a foot _____ | 7.) 3 feet = _____ inches |
| 2.) Inches in a yard _____ | |
| 3.) Feet in a yard _____ | 8.) 36 inches = _____ feet |
| 4.) Feet in a mile _____ | |
| 5.) About how tall is the teacher's desk in feet? _____ | 9.) 9 feet = _____ yards |
| 6.) About how many feet is the length of a car? _____ | 10.) 3 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) Inches in a foot _____ | 7.) 3 feet = _____ inches |
| 2.) Inches in a yard _____ | |
| 3.) Feet in a yard _____ | 8.) 36 inches = _____ feet |
| 4.) Feet in a mile _____ | |
| 5.) About how tall is the teacher's desk in feet? _____ | 9.) 9 feet = _____ yards |
| 6.) About how many feet is the length of a car? _____ | 10.) 3 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Inches in a yard _____
- 2.) Inches in a foot _____
- 3.) Feet in a mile _____
- 4.) Feet in a yard _____
- 5.) About how tall is the white or black board in feet? _____
- 6.) About how many feet tall are you? _____
- 7.) 4 feet = _____ inches
- 8.) 24 inches = _____ feet
- 9.) 6 feet = _____ yards
- 10.) 3 yards = _____ feet

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Inches in a yard _____
- 2.) Inches in a foot _____
- 3.) Feet in a mile _____
- 4.) Feet in a yard _____
- 5.) About how tall is the white or black board in feet? _____
- 6.) About how many feet tall are you? _____
- 7.) 4 feet = _____ inches
- 8.) 24 inches = _____ feet
- 9.) 6 feet = _____ yards
- 10.) 3 yards = _____ feet

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Inches in a yard _____
- 2.) Inches in a foot _____
- 3.) Feet in a mile _____
- 4.) Feet in a yard _____
- 5.) About how tall is the white or black board in feet? _____
- 6.) About how many feet tall are you? _____
- 7.) 4 feet = _____ inches
- 8.) 24 inches = _____ feet
- 9.) 6 feet = _____ yards
- 10.) 3 yards = _____ feet

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) Inches in a yard _____ | 7.) 2 miles = _____ feet |
| 2.) Inches in a foot _____ | |
| 3.) Feet in a mile _____ | 8.) 36 inches = _____ feet |
| 4.) Feet in a yard _____ | |
| 5.) About how wide is the sidewalk in feet? _____ | 9.) 12 feet = _____ yards |
| 6.) About how tall in feet is the classroom ceiling? _____ | 10.) 6 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) Inches in a yard _____ | 7.) 2 miles = _____ feet |
| 2.) Inches in a foot _____ | |
| 3.) Feet in a mile _____ | 8.) 36 inches = _____ feet |
| 4.) Feet in a yard _____ | |
| 5.) About how wide is the sidewalk in feet? _____ | 9.) 12 feet = _____ yards |
| 6.) About how tall in feet is the classroom ceiling? _____ | 10.) 6 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) Inches in a yard _____ | 7.) 2 miles = _____ feet |
| 2.) Inches in a foot _____ | |
| 3.) Feet in a mile _____ | 8.) 36 inches = _____ feet |
| 4.) Feet in a yard _____ | |
| 5.) About how wide is the sidewalk in feet? _____ | 9.) 12 feet = _____ yards |
| 6.) About how tall in feet is the classroom ceiling? _____ | 10.) 6 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) 36 inches = _____ feet | 7.) 2 miles = _____ feet |
| 2.) _____ inches = 5 feet | |
| 3.) 5 yards = _____ feet | 8.) 48 inches = _____ feet |
| 4.) _____ miles = 10,560 feet | |
| 5.) About how high is the window in feet? _____ | 9.) 9 feet = _____ yards |
| 6.) About how tall is your teacher in feet? _____ | 10.) 2 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) 36 inches = _____ feet | 7.) 2 miles = _____ feet |
| 2.) _____ inches = 5 feet | |
| 3.) 5 yards = _____ feet | 8.) 48 inches = _____ feet |
| 4.) _____ miles = 10,560 feet | |
| 5.) About how high is the window in feet? _____ | 9.) 9 feet = _____ yards |
| 6.) About how tall is your teacher in feet? _____ | 10.) 2 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) 36 inches = _____ feet | 7.) 2 miles = _____ feet |
| 2.) _____ inches = 5 feet | |
| 3.) 5 yards = _____ feet | 8.) 48 inches = _____ feet |
| 4.) _____ miles = 10,560 feet | |
| 5.) About how high is the window in feet? _____ | 9.) 9 feet = _____ yards |
| 6.) About how tall is your teacher in feet? _____ | 10.) 2 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 36 inches = _____ feet
- 2.) _____ inches = 5 feet
- 3.) 6 yards = _____ feet
- 4.) _____ miles = 15,840 feet
- 5.) What is the width of the classroom window in feet? _____
- 6.) What is the width of your desk in INCHES? _____
- 7.) 2 miles = _____ feet
- 8.) 48 inches = _____ feet
- 9.) _____ yards = 18 feet
- 10.) 5 yards = _____ feet

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 36 inches = _____ feet
- 2.) _____ inches = 5 feet
- 3.) 6 yards = _____ feet
- 4.) _____ miles = 15,840 feet
- 5.) What is the width of the classroom window in feet? _____
- 6.) What is the width of your desk in INCHES? _____
- 7.) 2 miles = _____ feet
- 8.) 48 inches = _____ feet
- 9.) _____ yards = 18 feet
- 10.) 5 yards = _____ feet

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 36 inches = _____ feet
- 2.) _____ inches = 5 feet
- 3.) 6 yards = _____ feet
- 4.) _____ miles = 15,840 feet
- 5.) What is the width of the classroom window in feet? _____
_____ yards
- 6.) What is the width of your desk in INCHES? _____
- 7.) 2 miles = _____ feet
- 8.) 48 inches = _____ feet
- 9.) _____ yards = 18 feet
- 10.) 5 yards = _____ feet

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 72 inches = _____ feet
- 2.) _____ inches = 3 feet
- 3.) 10 yards = _____ feet
- 4.) _____ mile = 5,280 feet
- 5.) What is the length car in YARDS? _____
- 6.) What is the height of the classroom ceiling in FEET? _____
- 7.) $\frac{1}{2}$ foot = _____ inches
- 8.) $1\frac{1}{2}$ foot = _____ inches
- 9.) _____ yards = 21 feet
- 10.) 8 yards = _____ feet

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 72 inches = _____ feet
- 2.) _____ inches = 3 feet
- 3.) 10 yards = _____ feet
- 4.) _____ miles = 5,280 feet
- 5.) What is the length car in YARDS? _____
- 6.) What is the height of the classroom ceiling in FEET? _____
- 7.) $\frac{1}{2}$ foot = _____ inches
- 8.) $1\frac{1}{2}$ foot = _____ inches
- 9.) _____ yards = 21 feet
- 10.) 8 yards = _____ feet

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 72 inches = _____ feet
- 2.) _____ inches = 3 feet
- 3.) 10 yards = _____ feet
- 4.) _____ miles = 5,280 feet
- 5.) What is the length car in YARDS? _____
- 6.) What is the height of the classroom ceiling in FEET? _____
- 7.) $\frac{1}{2}$ foot = _____ inches
- 8.) $1\frac{1}{2}$ foot = _____ inches
- 9.) _____ yards = 21 feet
- 10.) 8 yards = _____ feet

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|--|
| 1.) 18 inches = _____ foot | 7.) $1\frac{1}{2}$ foot = _____ inches |
| 2.) 14 inches = ___ foot ___ inches | |
| 3.) 9 yards = _____ feet | 8.) $\frac{1}{2}$ foot = _____ inches |
| 4.) _____ miles = 10,560 feet | |
| 5.) What is the <u>length</u> of a bus in <u>YARDS</u> ? _____ | 9.) _____ yards = 24 feet |
| 6.) 1 foot 4 inches = _____ inches | 10.) 2 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|--|
| 1.) 18 inches = _____ foot | 7.) $1\frac{1}{2}$ foot = _____ inches |
| 2.) 14 inches = ___ foot ___ inches | |
| 3.) 9 yards = _____ feet | 8.) $\frac{1}{2}$ foot = _____ inches |
| 4.) _____ miles = 10,560 feet | |
| 5.) What is the <u>length</u> of a bus in <u>YARDS</u> ? _____ | 9.) _____ yards = 24 feet |
| 6.) 1 foot 4 inches = _____ inches | 10.) 2 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|--|
| 1.) 18 inches = _____ foot | 7.) $1\frac{1}{2}$ foot = _____ inches |
| 2.) 14 inches = ___ foot ___ inches | |
| 3.) 9 yards = _____ feet | 8.) $\frac{1}{2}$ foot = _____ inches |
| 4.) _____ miles = 10,560 feet | |
| 5.) What is the <u>length</u> of a bus in <u>YARDS</u> ? _____ | 9.) _____ yards = 24 feet |
| 6.) 1 foot 4 inches = _____ inches | 10.) 2 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 30 inches = _____ feet
- 2.) 17 inches = ___ foot ___ inches
- 3.) 7 yards = _____ feet
- 4.) _____ miles = 21,120 feet
- 5.) What is the height of your teacher in inches? _____
- 6.) 1 foot 8 inches = _____ inches
- 7.) $2\frac{1}{2}$ foot = _____ inches
- 8.) $\frac{1}{2}$ foot = _____ inches
- 9.) _____ yards = 18 feet
- 10.) 3 yards = _____ feet

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 30 inches = _____ feet
- 2.) 17 inches = ___ foot ___ inches
- 3.) 7 yards = _____ feet
- 4.) _____ miles = 21,120 feet
- 5.) What is the height of your teacher in inches? _____
- 6.) 1 foot 8 inches = _____ inches
- 7.) $2\frac{1}{2}$ foot = _____ inches
- 8.) $\frac{1}{2}$ foot = _____ inches
- 9.) _____ yards = 18 feet
- 10.) 3 yards = _____ feet

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 30 inches = _____ feet
- 2.) 17 inches = ___ foot ___ inches
- 3.) 7 yards = _____ feet
- 4.) _____ miles = 21,120 feet
- 5.) What is the height of your teacher in inches? _____
- 6.) 1 foot 8 inches = _____ inches
- 7.) $2\frac{1}{2}$ foot = _____ inches
- 8.) $\frac{1}{2}$ foot = _____ inches
- 9.) _____ yards = 18 feet
- 10.) 3 yards = _____ feet

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-------------------------------------|--|
| 1.) 18 inches = _____ feet | 7.) $1\frac{1}{2}$ foot = _____ inches |
| 2.) 23 inches = ___ foot ___ inches | |
| 3.) 25 inches = ___ feet ___ inches | 8.) $\frac{1}{2}$ foot = _____ inches |
| 4.) 14 inches = ___ foot ___ inches | |
| 5.) 2 feet 4 inches _____ inches | 9.) _____ yards = 15 feet |
| 6.) 1 foot 8 inches = _____ inches | 10.) 2 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-------------------------------------|--|
| 1.) 18 inches = _____ feet | 7.) $1\frac{1}{2}$ foot = _____ inches |
| 2.) 23 inches = ___ foot ___ inches | |
| 3.) 25 inches = ___ feet ___ inches | 8.) $\frac{1}{2}$ foot = _____ inches |
| 4.) 14 inches = ___ foot ___ inches | |
| 5.) 2 feet 4 inches _____ inches | 9.) _____ yards = 15 feet |
| 6.) 1 foot 8 inches = _____ inches | 10.) 2 yards = _____ feet |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-------------------------------------|--|
| 1.) 18 inches = _____ feet | 7.) $1\frac{1}{2}$ foot = _____ inches |
| 2.) 23 inches = ___ foot ___ inches | |
| 3.) 25 inches = ___ feet ___ inches | 8.) $\frac{1}{2}$ foot = _____ inches |
| 4.) 14 inches = ___ foot ___ inches | |
| 5.) 2 feet 4 inches _____ inches | 9.) _____ yards = 15 feet |
| 6.) 1 foot 8 inches = _____ inches | 10.) 2 yards = _____ feet |

Answer Key

Measurement

Customary – Length

4th through 8th Grades

**10 Day Unit
of 60 Day Measurement Program**

5 – 10 Minutes Per Day

Customary Units – Length – ANSWER KEY

Customary Units – Length Name: Answer Key - Day 1

Daily Math 5 minute Review on Measurement

- 1.) Inches in a foot 12 inches (show ruler or standard tile (12 inch) on floor as reference) 7.) 2 feet = 24 inches
0, 12, 24, 36, 48...
- 2.) Inches in a yard 36 inches (have a yard stick for reference) (Use skip counting if can't multiply)
- 3.) Feet in a yard 3 feet 8.) 24 inches = 2 feet
- 4.) Feet in a mile 5,280 feet (distance reference to a place the children know and can relate)
- 5.) About how tall is the door in feet? 7 to 8 feet 9.) 6 feet = 2 yards
0, 3, 6, 9, 12... - 2 yards
- 6.) About how many feet is the length of a bus? 30 to 35 feet 10.) 2 yards = 6 feet

Customary Units – Length Name: Answer Key - Day 2

Daily Math 5 minute Review on Measurement

- 1.) Inches in a foot 12 inches (show ruler or standard tile (12 inch) on floor as reference) 7.) 3 feet = 36 inches
0, 12, 24, 36, 48...
- 2.) Inches in a yard 36 inches (have a yard stick for reference) (Use skip counting if can't multiply)
- 3.) Feet in a yard 3 feet 8.) 36 inches = 3 feet
- 4.) Feet in a mile 5,280 feet (distance reference to a place the children know and can relate)
- 5.) About how tall is the teacher's desk in feet? 3 feet 9.) 9 feet = 3 yards
0, 3, 6, 9, 12... - 3 yards
- 6.) About how many feet is the length of a car? 10 to 13 feet 10.) 3 yards = 9 feet

Customary Units – Length Name: Answer Key - Day 3

Daily Math 5 minute Review on Measurement

- 1.) Inches in a yard 36 inches (show ruler or standard tile (12 inch) on floor as reference) 7.) 4 feet = 48 inches
0, 12, 24, 36, 48, 60...
- 2.) Inches in a foot 12 inches (have a yard stick for reference) (Use skip counting if can't multiply)
- 3.) Feet in a mile 5,280 feet 8.) 24 inches = 2 feet
- 4.) Feet in a yard 3 feet (distance reference to a place the children know and can relate)
- 5.) About how tall is the white or black board in feet? 3 feet 9.) 6 feet = 2 yards
0, 3, 6, 12, 15, 18...
- 6.) About how many feet tall are you? 4 or 5 feet 10.) 3 yards = 9 feet

Customary Units – Length – ANSWER KEY

Customary Units – Length Name: Answer Key - Day 4

Daily Math 5 minute Review on Measurement

- 1.) Inches in a yard 36 inches
- 2.) Inches in a foot 12 inches
- 3.) Feet in a mile 5,280 feet
- 4.) Feet in a yard 3 feet
- 5.) About how wide is the sidewalk in feet? 4 or 5 feet
- 6.) About how tall in feet is the classroom ceiling? 10 ft.- varies
- 7.) 2 miles = 10,560 inches
0; 5,280; 10,560...
(Use skip counting or repeated addition if can't multiply)
- 8.) 36 inches = 3 feet
- 9.) 12 feet = 4 yards
0, 3, 6, 12, 15, 18...
- 10.) 6 yards = 18 feet

Customary Units – Length Name: Answer Key - Day 5

Daily Math 5 minute Review on Measurement

- 1.) 36 inches = 3 feet
- 2.) 60 inches = 5 feet
- 3.) 5 yards = 15 feet
- 4.) 2 miles = 10,560 feet
- 5.) About how high is the window in feet? 3 to 6 feet
- 6.) About how tall is your teacher in feet? varies
- 7.) 2 miles = 10,560 feet
- 8.) 48 inches = 4 feet
- 9.) 9 feet = 3 yards
- 10.) 2 yards = 6 feet

Customary Units – Length Name: Answer Key - Day 6

Daily Math 5 minute Review on Measurement

- 1.) 36 inches = 3 feet
- 2.) 60 inches = 5 feet
- 3.) 6 yards = 18 feet
- 4.) 3 miles = 15,840 feet
- 5.) What is the width of the classroom window in feet? varies
- 6.) What is the width of your desk in INCHES? varies
- 7.) 2 miles = 10,560 feet
- 8.) 48 inches = 4 feet
- 9.) 6 yards = 18 feet
- 10.) 5 yards = 15 feet

Customary Units – Length – ANSWER KEY

Customary Units – Length Name: Answer Key - Day 7

Daily Math 5 minute Review on Measurement

- 1.) 72 inches = 6 feet
- 2.) 36 inches = 3 feet
- 3.) 10 yards = 30 feet
- 4.) 1 mile = 5,280 feet
- 5.) What is the length car in YARDS? 4 yards
- 6.) What is the height of the classroom ceiling in FEET? 10 ft
- 7.) $\frac{1}{2}$ foot = 6 inches
- 8.) $1\frac{1}{2}$ foot = 18 inches
- 9.) 7 yards = 21 feet
- 10.) 8 yards = 24 feet

Customary Units – Length Name: Answer Key - Day 8

Daily Math 5 minute Review on Measurement

- 1.) 18 inches = 1½ foot
- 2.) 14 inches = 1 foot 2 inches
- 3.) 9 yards = 27 feet
- 4.) 2 miles = 10,560 feet
- 5.) What is the length of a bus in YARDS? 10 to 12
- 6.) 1 foot 4 inches = 16 inches ($12 + 4 = 16$)
- 7.) $1\frac{1}{2}$ foot = 18 inches
- 8.) $\frac{1}{2}$ foot = 6 inches
- 9.) 8 yards = 24 feet
- 10.) 2 yards = 6 feet

Customary Units – Length Name: Answer Key - Day 9

Daily Math 5 minute Review on Measurement

- 1.) 30 inches = 2½ feet
- 2.) 17 inches = 1 foot 5 inches
- 3.) 7 yards = 21 feet
- 4.) 4 miles = 21,120 feet
- 5.) What is the height of your teacher in inches? varies
- 6.) 1 foot 8 inches = 20 inches
- 7.) $2\frac{1}{2}$ foot = 30 inches
- 8.) $\frac{1}{2}$ foot = 6 inches
- 9.) 6 yards = 18 feet
- 10.) 3 yards = 9 feet

Customary Units – Length – ANSWER KEY

Customary Units – Length Name: **Answer Key - Day 10**

Daily Math 5 minute Review on Measurement

1.) 18 inches = 1½ feet

7.) 1½ foot = 18 inches

2.) 23 inches = 1 foot 11 inches

3.) 25 inches = 2 feet 1 inches

8.) ½ foot = 6 inches

4.) 14 inches = 1 foot 2 inches

5.) 2 feet 4 inches 28 inches

9.) 5 yards = 15 feet

6.) 1 foot 8 inches = 20 inches

10.) 2 yards = 6 feet

Measurement

Customary – Capacity

4th through 8th Grades

**10 Day Unit
of 60 Day Measurement Program**

5 – 10 Minutes Per Day

Customary – Capacity Section

4th - 8th Grade Five-Minute Daily Measurement Warm-Ups

This 10 day program (per section) is intended to provide basic skill levels in converting and understanding magnitudes in the following measurement areas/sections:

- 1.) Customary Measurement (Length): inches, feet, yards and miles.
- 2.) **Customary Measurement (Capacity – Volume): ounces (fluid), cups, pints, quarts and gallons.**
- 3.) Customary Measurement (Weight): ounces (dry), pounds and tons.
- 4.) Metric Measurement (Length): millimeters (mm), centimeters (cm), meters (m) and kilometers (km)
- 5.) Metric Measurement (Capacity): milliliters (ml), Liters (L) and Kiloliters (kl)
- 6.) Metric Measurement (Mass): milligram (mg), grams (g) and kilograms (kg)

The warm-ups are designed so the children can readily pick them up as they enter the classroom or the warm-ups are distributed normally through classroom procedures. The teacher must make minimal copies, since the sheets may be separated into 3 student sheets per page. Hence, with 24 students – only 8 Xerox copies need to be made for an entire classroom. An answer key is provided at the end of the packet.

Section 2.) Customary Measurement (Capacity - Volume): ounces (fluid), cups, pints, quarts and gallons are included in this instructional packet.

Customary Measurements in capacity are extremely challenging for many 5th – 8th graders due to the lack of familiarity with the sizes of the units (e.g. cups versus pints versus quarts). Consequently, students should have everyday objects that represent each of these objects volume amounts to assist them in memorizing relative sizes and fluid object quantities. A standard milk carton from the school cafeteria generally has the capacity of 1 cup or 8 fluid ounces. This is always a very good starting point. Using two milk cartons, students can memorize a pint is 2 cups or 16 fluid ounces. Four quarts is equivalent to 1 gallon (quatro may be referenced in Spanish for four, but the word ‘quart’ is derived from ‘quarta’ in Latin or ‘quarte’ from Old French meaning one-fourth). With a quick daily review of these amounts beginning with the introduction of cups - repetitively each day until students soon master these amounts. There is also a Mr. Gallon Man visual PDF that can easily be made into a poster that may visually assist students in learning these interconnected relationships.

When students struggle with certain problem types in the daily warm-ups, it is a clear indication that the students need more practice with that concept, not less. It is advisable for the teacher to present quick practice examples in math class or during transition periods until students master that concept or problem type.

It is also recommended to use these short daily measurements in conjunction with a Space Repetition System classroom instructional methodology.

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|------------------------------|----------------------------|
| 1.) Ounces in a cup _____ | 7.) 1 cup = _____ ounces |
| 2.) Ounces in a pint _____ | 8.) 2 cups = _____ ounces |
| 3.) Ounces in a quart _____ | 9.) 2 cups = _____ pint |
| 4.) Ounces in a gallon _____ | 10.) 1 pint = _____ ounces |
- 5.) What is the capacity (**ounces**) of your milk carton at breakfast in the cafeteria? _____
- 6.) What is the capacity (**cups**) of your milk carton at breakfast in the cafeteria? _____

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|------------------------------|----------------------------|
| 1.) Ounces in a cup _____ | 7.) 1 cup = _____ ounces |
| 2.) Ounces in a pint _____ | 8.) 2 cups = _____ ounces |
| 3.) Ounces in a quart _____ | 9.) 2 cups = _____ pint |
| 4.) Ounces in a gallon _____ | 10.) 1 pint = _____ ounces |
- 5.) What is the capacity (**ounces**) of your milk carton at breakfast in the cafeteria? _____
- 6.) What is the capacity (**cups**) of your milk carton at breakfast in the cafeteria? _____

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|------------------------------|----------------------------|
| 1.) Ounces in a cup _____ | 7.) 1 cup = _____ ounces |
| 2.) Ounces in a pint _____ | 8.) 2 cups = _____ ounces |
| 3.) Ounces in a quart _____ | 9.) 2 cups = _____ pint |
| 4.) Ounces in a gallon _____ | 10.) 1 pint = _____ ounces |
- 5.) What is the capacity (**ounces**) of your milk carton at breakfast in the cafeteria? _____
- 6.) What is the capacity (**cups**) of your milk carton at breakfast in the cafeteria? _____

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|------------------------------|----------------------------|
| 1.) Ounces in a cup _____ | 7.) 1 cup = _____ ounces |
| 2.) Ounces in a pint _____ | 8.) 2 cups = _____ ounces |
| 3.) Ounces in a quart _____ | 9.) 2 cups = _____ pint |
| 4.) Ounces in a gallon _____ | 10.) 1 quart = _____ pints |
- 5.) What is the capacity (**ounces**) of your milk carton at breakfast in the cafeteria? _____
- 6.) What is the capacity (**cups**) of your milk carton at breakfast in the cafeteria? _____

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|------------------------------|----------------------------|
| 1.) Ounces in a cup _____ | 7.) 1 cup = _____ ounces |
| 2.) Ounces in a pint _____ | 8.) 2 cups = _____ ounces |
| 3.) Ounces in a quart _____ | 9.) 2 cups = _____ pint |
| 4.) Ounces in a gallon _____ | 10.) 1 quart = _____ pints |
- 5.) What is the capacity (**ounces**) of your milk carton at breakfast in the cafeteria? _____
- 6.) What is the capacity (**cups**) of your milk carton at breakfast in the cafeteria? _____

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|------------------------------|----------------------------|
| 1.) Ounces in a cup _____ | 7.) 1 cup = _____ ounces |
| 2.) Ounces in a pint _____ | 8.) 2 cups = _____ ounces |
| 3.) Ounces in a quart _____ | 9.) 2 cups = _____ pint |
| 4.) Ounces in a gallon _____ | 10.) 1 quart = _____ pints |
- 5.) What is the capacity (**ounces**) of your milk carton at breakfast in the cafeteria? _____
- 6.) What is the capacity (**cups**) of your milk carton at breakfast in the cafeteria? _____

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) Ounces in a cup _____ | 7.) 1 cup = _____ ounces |
| 2.) Ounces in a pint _____ | 8.) 2 cups = _____ ounces |
| 3.) Ounces in a quart _____ | 9.) 2 cups = _____ pint |
| 4.) Ounces in a gallon _____ | 10.) 1 quart = _____ pints |
| 5.) What is the capacity (ounces) of your milk carton at breakfast in the cafeteria? _____ | |
| 6.) What is the capacity (cups) of your milk carton at breakfast in the cafeteria? _____ | |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) Ounces in a cup _____ | 7.) 1 cup = _____ ounces |
| 2.) Ounces in a pint _____ | 8.) 2 cups = _____ ounces |
| 3.) Ounces in a quart _____ | 9.) 2 cups = _____ pint |
| 4.) Ounces in a gallon _____ | 10.) 1 quart = _____ pints |
| 5.) What is the capacity (ounces) of your milk carton at breakfast in the cafeteria? _____ | |
| 6.) What is the capacity (cups) of your milk carton at breakfast in the cafeteria? _____ | |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|----------------------------|
| 1.) Ounces in a cup _____ | 7.) 1 cup = _____ ounces |
| 2.) Ounces in a pint _____ | 8.) 2 cups = _____ ounces |
| 3.) Ounces in a quart _____ | 9.) 2 cups = _____ pints |
| 4.) Ounces in a gallon _____ | 10.) 1 pint = _____ ounces |
| 5.) What is the capacity (ounces) of your milk carton at breakfast in the cafeteria? _____ | |
| 6.) What is the capacity (cups) of your milk carton at breakfast in the cafeteria? _____ | |

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 1 cup = _____ ounces
- 2.) 1 quart = _____ ounces
- 3.) 1 gallon = _____ quarts
- 4.) 1 gallon = _____ ounces
- 5.) How many **ounces** are in the milk plastic jug your mother purchases the store? _____
- 6.) How many **quarts** are in the milk plastic jug your mother purchases the store? _____
- 7.) 2 cups = _____ ounces
- 8.) 4 quarts = _____ gallon
- 9.) 2 cups = _____ pint
- 10.) 1 pint = _____ ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 1 cup = _____ ounces
- 2.) 1 quart = _____ ounces
- 3.) 1 gallon = _____ quarts
- 4.) 1 gallon = _____ ounces
- 5.) How many **ounces** are in the milk plastic jug your mother purchases the store? _____
- 6.) How many **quarts** are in the milk plastic jug your mother purchases the store? _____
- 7.) 2 cups = _____ ounces
- 8.) 4 quarts = _____ gallon
- 9.) 2 cups = _____ pint
- 10.) 1 pint = _____ ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 1 cup = _____ ounces
- 2.) 1 quart = _____ ounces
- 3.) 1 gallon = _____ quarts
- 4.) 1 gallon = _____ ounces
- 5.) How many **ounces** are in the milk plastic jug your mother purchases the store? _____
- 6.) How many **quarts** are in the milk plastic jug your mother purchases the store? _____
- 7.) 2 cups = _____ ounces
- 8.) 4 quarts = _____ gallon
- 9.) 2 cups = _____ pint
- 10.) 1 pint = _____ ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 1 cup = _____ ounces
- 2.) 1 quart = _____ ounces
- 3.) 1 gallon = _____ quarts
- 4.) 1 gallon = _____ ounces
- 5.) How many **ounces** are in the milk plastic jug your mother purchases the store? _____
- 6.) How many **quarts** are in the milk plastic jug your mother purchases the store? _____
- 7.) 2 cups = _____ ounces
- 8.) 4 quarts = _____ gallon
- 9.) 2 cups = _____ pint
- 10.) 1 pint = _____ ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 1 cup = _____ ounces
- 2.) 1 quart = _____ ounces
- 3.) 1 gallon = _____ quarts
- 4.) 1 gallon = _____ ounces
- 5.) How many **ounces** are in the milk plastic jug your mother purchases the store? _____
- 6.) How many **quarts** are in the milk plastic jug your mother purchases the store? _____
- 7.) 2 cups = _____ ounces
- 8.) 4 quarts = _____ gallon
- 9.) 2 cups = _____ pint
- 10.) 1 pint = _____ ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 1 cup = _____ ounces
- 2.) 1 quart = _____ ounces
- 3.) 1 gallon = _____ quarts
- 4.) 1 gallon = _____ ounces
- 5.) How many **ounces** are in the milk plastic jug your mother purchases the store? _____
- 6.) How many **quarts** are in the milk plastic jug your mother purchases the store? _____
- 7.) 2 cups = _____ ounces
- 8.) 4 quarts = _____ gallon
- 9.) 2 cups = _____ pint
- 10.) 1 pint = _____ ounces

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-----------------------------|-----------------------------|
| 1.) 2 cups = _____ ounces | 7.) 2 cups = _____ ounces |
| 2.) 2 quarts = _____ ounces | 8.) 4 quarts = _____ gallon |
| 3.) 1 gallon = _____ quarts | 9.) 2 cups = _____ pint |
| 4.) 1 gallon = _____ ounces | 10.) 1 pint = _____ ounces |
| 5.) 3 pints = _____ cups | 11.) 4 cups = _____ pints |
| 6.) 1 pint = _____ cups | 12.) 4 cups = _____ ounces |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-----------------------------|-----------------------------|
| 1.) 2 cups = _____ ounces | 7.) 2 cups = _____ ounces |
| 2.) 2 quarts = _____ ounces | 8.) 4 quarts = _____ gallon |
| 3.) 1 gallon = _____ quarts | 9.) 2 cups = _____ pint |
| 4.) 1 gallon = _____ ounces | 10.) 1 pint = _____ ounces |
| 5.) 3 pints = _____ cups | 11.) 4 cups = _____ pints |
| 6.) 1 pint = _____ cups | 12.) 4 cups = _____ ounces |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-----------------------------|-----------------------------|
| 1.) 2 cups = _____ ounces | 7.) 2 cups = _____ ounces |
| 2.) 2 quarts = _____ ounces | 8.) 4 quarts = _____ gallon |
| 3.) 1 gallon = _____ quarts | 9.) 2 cups = _____ pint |
| 4.) 1 gallon = _____ ounces | 10.) 1 pint = _____ ounces |
| 5.) 3 pints = _____ cups | 11.) 4 cups = _____ pints |
| 6.) 1 pint = _____ cups | 12.) 4 cups = _____ ounces |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-----------------------------|-----------------------------------|
| 1.) 4 cups = _____ ounces | 7.) 2 cups = _____ ounces |
| 2.) 1 quarts = _____ ounces | 8.) 8 quarts = _____ gallons |
| 3.) 1 gallon = _____ quarts | 9.) 1 cup = _____ pint***Think |
| 4.) 1 gallon = _____ ounces | 10.) 2 cups = _____ pint |
| 5.) 1 pint = _____ cups | 11.) 3 cups = _____ pints***Think |
| 6.) 1 pint = _____ ounces | 12.) 4 cups = _____ pints |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-----------------------------|-----------------------------------|
| 1.) 4 cups = _____ ounces | 7.) 2 cups = _____ ounces |
| 2.) 1 quarts = _____ ounces | 8.) 8 quarts = _____ gallons |
| 3.) 1 gallon = _____ quarts | 9.) 1 cup = _____ pint***Think |
| 4.) 1 gallon = _____ ounces | 10.) 2 cups = _____ pint |
| 5.) 1 pint = _____ cups | 11.) 3 cups = _____ pints***Think |
| 6.) 1 pint = _____ ounces | 12.) 4 cups = _____ pints |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-----------------------------|-----------------------------------|
| 1.) 4 cups = _____ ounces | 7.) 2 cups = _____ ounces |
| 2.) 1 quarts = _____ ounces | 8.) 8 quarts = _____ gallons |
| 3.) 1 gallon = _____ quarts | 9.) 1 cup = _____ pint***Think |
| 4.) 1 gallon = _____ ounces | 10.) 2 cups = _____ pint |
| 5.) 1 pint = _____ cups | 11.) 3 cups = _____ pints***Think |
| 6.) 1 pint = _____ ounces | 12.) 4 cups = _____ pints |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-----------------------------|-----------------------------------|
| 1.) 1 cup = _____ ounces | 7.) 2 cups = _____ ounces |
| 2.) 4 quarts = _____ ounces | 8.) 12 quarts = _____ gallons |
| 3.) 2 gallon = _____ quarts | 9.) 1 cup = _____ pint***Think |
| 4.) 2 gallon = _____ ounces | 10.) 2 cups = _____ pint |
| 5.) 1 pint = _____ cups | 11.) 3 cups = _____ pints***Think |
| 6.) 1 pint = _____ ounces | 12.) 4 cups = _____ pints |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-----------------------------|-----------------------------------|
| 1.) 1 cup = _____ ounces | 7.) 2 cups = _____ ounces |
| 2.) 4 quarts = _____ ounces | 8.) 12 quarts = _____ gallons |
| 3.) 2 gallon = _____ quarts | 9.) 1 cup = _____ pint***Think |
| 4.) 2 gallon = _____ ounces | 10.) 2 cups = _____ pint |
| 5.) 1 pint = _____ cups | 11.) 3 cups = _____ pints***Think |
| 6.) 1 pint = _____ ounces | 12.) 4 cups = _____ pints |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-----------------------------|-----------------------------------|
| 1.) 1 cup = _____ ounces | 7.) 2 cups = _____ ounces |
| 2.) 4 quarts = _____ ounces | 8.) 12 quarts = _____ gallons |
| 3.) 2 gallon = _____ quarts | 9.) 1 cup = _____ pint***Think |
| 4.) 2 gallon = _____ ounces | 10.) 2 cups = _____ pint |
| 5.) 1 pint = _____ cups | 11.) 3 cups = _____ pints***Think |
| 6.) 1 pint = _____ ounces | 12.) 4 cups = _____ pints |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-----------------------------|-----------------------------------|
| 1.) 1 pint = _____ ounces | 7.) 3 cups = _____ ounces |
| 2.) 2 quarts = _____ ounces | 8.) 8 quarts = _____ gallons |
| 3.) 5 gallon = _____ quarts | 9.) 1 cup = _____ pint***Think |
| 4.) 2 gallon = _____ ounces | 10.) 2 cups = _____ pint |
| 5.) 1 quart = _____ ounces | 11.) 3 cups = _____ pints***Think |
| 6.) 2 pints = _____ ounces | 12.) 4 cups = _____ pints |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-----------------------------|-----------------------------------|
| 1.) 1 pint = _____ ounces | 7.) 3 cups = _____ ounces |
| 2.) 2 quarts = _____ ounces | 8.) 8 quarts = _____ gallons |
| 3.) 5 gallon = _____ quarts | 9.) 1 cup = _____ pint***Think |
| 4.) 2 gallon = _____ ounces | 10.) 2 cups = _____ pint |
| 5.) 1 quart = _____ ounces | 11.) 3 cups = _____ pints***Think |
| 6.) 2 pints = _____ ounces | 12.) 4 cups = _____ pints |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-----------------------------|-----------------------------------|
| 1.) 1 pint = _____ ounces | 7.) 3 cups = _____ ounces |
| 2.) 2 quarts = _____ ounces | 8.) 8 quarts = _____ gallons |
| 3.) 5 gallon = _____ quarts | 9.) 1 cup = _____ pint***Think |
| 4.) 2 gallon = _____ ounces | 10.) 2 cups = _____ pint |
| 5.) 1 quart = _____ ounces | 11.) 3 cups = _____ pints***Think |
| 6.) 2 pints = _____ ounces | 12.) 4 cups = _____ pints |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-------------------------------|---------------------------------|
| 1.) 3 pints = _____ ounces | 7.) 4 cups = _____ ounces |
| 2.) 3 quarts = _____ ounces | 8.) 12 quarts = _____ gallons |
| 3.) 10 gallons = _____ quarts | 9.) 8 ounces = _____ pint*** |
| 4.) 1 gallon = _____ ounces | 10.) 16 ounces = _____ pint |
| 5.) 1 quart = _____ ounces | 11.) 24 ounces = _____ pints*** |
| 6.) 2 cups = _____ pint | 12.) 32 ounces = _____ pints |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-------------------------------|---------------------------------|
| 1.) 3 pints = _____ ounces | 7.) 4 cups = _____ ounces |
| 2.) 3 quarts = _____ ounces | 8.) 12 quarts = _____ gallons |
| 3.) 10 gallons = _____ quarts | 9.) 8 ounces = _____ pint*** |
| 4.) 1 gallon = _____ ounces | 10.) 16 ounces = _____ pint |
| 5.) 1 quart = _____ ounces | 11.) 24 ounces = _____ pints*** |
| 6.) 2 cups = _____ pint | 12.) 32 ounces = _____ pints |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|-------------------------------|---------------------------------|
| 1.) 3 pints = _____ ounces | 7.) 4 cups = _____ ounces |
| 2.) 3 quarts = _____ ounces | 8.) 12 quarts = _____ gallons |
| 3.) 10 gallons = _____ quarts | 9.) 8 ounces = _____ pint*** |
| 4.) 1 gallon = _____ ounces | 10.) 16 ounces = _____ pint |
| 5.) 1 quart = _____ ounces | 11.) 24 ounces = _____ pints*** |
| 6.) 2 cups = _____ pint | 12.) 32 ounces = _____ pints |

Answer Key

Measurement

Customary – Capacity

4th through 8th Grades

**10 Day Unit
of 60 Day Measurement Program**

5 – 10 Minutes Per Day

Customary Units – Capacity – ANSWER KEY

Customary Units – Capacity Name: Answer Key - Day 11

Daily Math 5 minute Review on Measurement

- 1.) Ounces in a cup 8 **Students will need visuals on each of these objects.** 7.) 1 cup = 8 ounces
- 2.) Ounces in a pint 16 **Examples of each capacity is highly recommended.** 8.) 2 cups = 16 ounces
- 3.) Ounces in a quart 32 **Place a chart on the wall that shows a comparison from ounces to gallons** 9.) 2 cups = 1 pint
- 4.) Ounces in a gallon 128 **Use Mr. Gallon Guy as well.** 10.) 1 pint = 16 ounces
- 5.) What is the capacity (ounces) of your milk carton at breakfast in the cafeteria? 8
- 6.) What is the capacity (cups) of your milk carton at breakfast in the cafeteria? 1

Customary Units – Capacity Name: Answer Key - Day 12

Daily Math 5 minute Review on Measurement

- 1.) Ounces in a cup 8
- 2.) Ounces in a pint 16
- 3.) Ounces in a quart 32
- 4.) Ounces in a gallon 128
- 5.) What is the capacity (ounces) of your milk carton at breakfast in the cafeteria? 8
- 6.) What is the capacity (cups) of your milk carton at breakfast in the cafeteria? 1
- 7.) 1 cup = 8 ounces
- 8.) 2 cups = 16 ounces
- 9.) 2 cups = 1 pint
- 10.) 1 quart = 2 pints

Customary Units – Capacity Name: Answer Key - Day 13

Daily Math 5 minute Review on Measurement

- 1.) Ounces in a cup 8
- 2.) Ounces in a pint 16
- 3.) Ounces in a quart 32
- 4.) Ounces in a gallon 128
- 5.) What is the capacity (ounces) of your milk carton at breakfast in the cafeteria? 8
- 6.) What is the capacity (cups) of your milk carton at breakfast in the cafeteria? 1
- 7.) 1 cup = 8 ounces
- 8.) 2 cups = 16 ounces
- 9.) 2 cups = 1 pint
- 10.) 1 quart = 2 pints

Customary Units – Capacity – ANSWER KEY

Customary Units – Capacity Name: Answer Key - Day 14

Daily Math 5 minute Review on Measurement

- 1.) 1 cup = 8 ounces
- 2.) 1 quart = 32 ounces
- 3.) 1 gallon = 4 quarts
- 4.) 1 gallon = 128 ounces
- 5.) How many ounces are in the milk plastic jug your mother purchases the store? 128
- 6.) How many quarts are in the milk plastic jug your mother purchases the store? 4
- 7.) 2 cups = 16 ounces
- 8.) 4 quarts = 1 gallon
- 9.) 2 cups = 1 pint
- 10.) 1 pint = 16 ounces

Customary Units – Capacity Name: Answer Key - Day 15

Daily Math 5 minute Review on Measurement

- 1.) 1 cup = 8 ounces
- 2.) 1 quart = 32 ounces
- 3.) 1 gallon = 4 quarts
- 4.) 1 gallon = 128 ounces
- 5.) How many ounces are in the milk plastic jug your mother purchases the store? 128
- 6.) How many quarts are in the milk plastic jug your mother purchases the store? 4
- 7.) 2 cups = 16 ounces
- 8.) 4 quarts = 1 gallon
- 9.) 2 cups = 1 pint
- 10.) 1 pint = 16 ounces

Customary Units – Capacity Name: Answer Key - Day 16

Daily Math 5 minute Review on Measurement

- 1.) 2 cups = 16 ounces
- 2.) 2 quarts = 64 ounces
- 3.) 1 gallon = 4 quarts
- 4.) 1 gallon = 128 ounces
- 5.) 3 pints = 6 cups
- 6.) 1 pint = 2 cups
- 7.) 2 cups = 16 ounces
- 8.) 4 quarts = 1 gallon
- 9.) 2 cups = 1 pint
- 10.) 1 pint = 16 ounces
- 11.) 4 cups = 2 pints
- 12.) 4 cups = 16 ounces

Customary Units – Capacity – ANSWER KEY

Customary Units – Capacity Name: Answer Key - Day 17

Daily Math 5 minute Review on Measurement

- 1.) 4 cups = 32 ounces
- 2.) 1 quarts = 32 ounces
- 3.) 1 gallon = 4 quarts
- 4.) 1 gallon = 128 ounces
- 5.) 1 pint = 4 cups
- 6.) 1 pint = 16 ounces
- 7.) 2 cups = 16 ounces
- 8.) 8 quarts = 2 gallons
- 9.) 1 cup = 1/2 pint***Think
- 10.) 2 cups = 1 pint
- 11.) 3 cups = 1 1/2 pints***Think
- 12.) 4 cups = 2 pints

Customary Units – Capacity Name: Answer Key - Day 18

Daily Math 5 minute Review on Measurement

- 1.) 1 cup = 8 ounces
- 2.) 4 quarts = 128 ounces
- 3.) 2 gallon = 8 quarts
- 4.) 2 gallon = 256 ounces
- 5.) 1 pint = 2 cups
- 6.) 1 pint = 16 ounces
- 7.) 2 cups = 16 ounces
- 8.) 12 quarts = 4 gallons
- 9.) 1 cup = 1/2 pint***Think
- 10.) 2 cups = 1 pint
- 11.) 3 cups = 1 1/2 pints***Think
- 12.) 4 cups = 2 pints

Customary Units – Capacity Name: Answer Key - Day 19

Daily Math 5 minute Review on Measurement

- 1.) 1 pint = 16 ounces
- 2.) 2 quarts = 64 ounces
- 3.) 5 gallon = 20 quarts
- 4.) 2 gallon = 256 ounces
- 5.) 1 quart = 32 ounces
- 6.) 2 pints = 32 ounces
- 7.) 3 cups = 24 ounces
- 8.) 8 quarts = 2 gallons
- 9.) 1 cup = 1/2 pint***Think
- 10.) 2 cups = 1 pint
- 11.) 3 cups = 1 1/2 pints***Think
- 12.) 4 cups = 2 pints

Customary Units – Capacity – ANSWER KEY

Customary Units – Capacity Name: **Answer Key - Day 20**

Daily Math 5 minute Review on Measurement

1.) 3 pints = 48 ounces

2.) 3 quarts = 96 ounces

3.) 10 gallons = 40 quarts

4.) 1 gallon = 128 ounces

5.) 1 quart = 32 ounces

6.) 2 cups = 1 pint

7.) 4 cups = 32 ounces

8.) 12 quarts = 3 gallons

9.) 8 ounces = 1/2 pint***

10.) 16 ounces = 1 pint

11.) 24 ounces = 1 1/2 pints***

12.) 32 ounces = 2 pints

Measurement

Customary – Weight

4th through 8th Grades

**10 Day Unit
of 60 Day Measurement Program**

5 – 10 Minutes Per Day

Customary – Weight Section

4th - 8th Grade Five-Minute Daily Measurement Warm-Ups

This 10 day program (per section) is intended to provide basic skill levels in converting and understanding magnitudes in the following measurement areas/sections:

- 1.) Customary Measurement (Length): inches, feet, yards and miles.
- 2.) Customary Measurement (Capacity – Volume): fluid ounces, cups, pints, quarts and gallons.
- 3.) Customary Measurement (Weight): ounces (dry), pounds and tons.
- 4.) Metric Measurement (Length): millimeters (mm), centimeters (cm), meters (m) and kilometers (km)
- 5.) Metric Measurement (Capacity): milliliters (ml), Liters (L) and Kiloliters (kl)
- 6.) Metric Measurement (Mass): milligram (mg), grams (g) and kilograms (kg)

The warm-ups are designed so the children can readily pick them up as they enter the classroom or the warm-ups are distributed normally through classroom procedures. The teacher must make minimal copies, since the sheets may be separated into 3 student sheets per page. Hence, with 24 students – only 8 Xerox copies need to be made for an entire classroom. An answer key is provided at the end of the packet.

Section 3.) Customary Measurement (Weight): ounces (dry), pounds and tons are included in this instructional packet.

Customary Measurements in weight are quite straight forward for most 5th – 8th graders. Students are often accustomed to pounds, and simple multiplication or multiples work makes dry ounces and tons easy computational conversions. However, a high level numerate understanding of converting and working with these customary distances is highly beneficial to a student when the measurement terms and computations appear in word problem exercises. However, on problem types that require computations using halves: $\frac{1}{2}$ of a pound, $\frac{1}{2}$ of a ton, and $1 \frac{1}{2}$ pounds or tons, for example, students need extra practice and they become adept at working these problems readily.

It is recommended that the teacher use visual models to assist students in understanding pounds and ounces. For ounces, five (5) United States quarters weigh very close to 1 ounce. This visual gives students a relative idea on the weight of $\frac{1}{16}$ of a pound or 1 ounce. For pounds, locate an object in the classroom that weighs very close to a pound such as a stapler or a small clock. Finally, relating a student's body weight to pounds is also beneficial since it provides students a quick reference and understanding to their weight in comparison to other objects, in general. Care must be taken if a child is overweight to make sure there are not negative unintended consequences that affect a child's self-esteem.

When students struggle with certain problem types in the daily warm-ups, it is a clear indication that the students need more practice with that concept, not less. It is advisable for the teacher to present quick practice examples in math class or during transition periods until students master that concept or problem type.

It is also recommended to use these short daily measurements in conjunction with a Space Repetition System classroom instructional methodology.

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Dry ounces in a pound = _____
- 2.) Pounds in 1 Ton = _____
- 3.) 2 Tons = _____ pounds
- 4.) 3 Tons = _____ pounds
- 5.) About what is the **weight** of your **body** in pounds? _____
- 6.) About what is the **weight** of one pineapple purchased in the store in pounds? _____
- 7.) 1 pound = _____ dry ounces
- 8.) 2 pounds = _____ dry ounces
- 9.) 32 dry ounces = _____ pounds
- 10.) $\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Dry ounces in a pound = _____
- 2.) Pounds in 1 Ton = _____
- 3.) 2 Tons = _____ pounds
- 4.) 3 Tons = _____ pounds
- 5.) About what is the **weight** of your **body** in pounds? _____
- 6.) About what is the **weight** of one pineapple purchased in the store in pounds? _____
- 7.) 1 pound = _____ dry ounces
- 8.) 2 pounds = _____ dry ounces
- 9.) 32 dry ounces = _____ pounds
- 10.) $\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Dry ounces in a pound = _____
- 2.) Pounds in 1 Ton = _____
- 3.) 2 Tons = _____ pounds
- 4.) 3 Tons = _____ pounds
- 5.) About what is the **weight** of your **body** in pounds? _____
- 6.) About what is the **weight** of one pineapple purchased in the store in pounds? _____
- 7.) 1 pound = _____ dry ounces
- 8.) 2 pounds = _____ dry ounces
- 9.) 32 dry ounces = _____ pounds
- 10.) $\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Dry ounces in a pound = _____
- 2.) 1 Ton = _____ pounds
- 3.) 2 Tons = _____ pounds
- 4.) 3 Tons = _____ pounds
- 5.) About what is the **weight** of your **body** in pounds? _____
- 6.) About what is the **weight** of a student desk in your classroom? _____
- 7.) 2 pounds = _____ dry ounces
- 8.) 1 pound = _____ dry ounces
- 9.) 32 dry ounces = _____ pounds
- 10.) $\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Dry ounces in a pound = _____
- 2.) 1 Ton = _____ pounds
- 3.) 2 Tons = _____ pounds
- 4.) 3 Tons = _____ pounds
- 5.) About what is the **weight** of your **body** in pounds? _____
- 6.) About what is the **weight** of a student desk in your classroom? _____
- 7.) 2 pounds = _____ dry ounces
- 8.) 1 pound = _____ dry ounces
- 9.) 32 dry ounces = _____ pounds
- 10.) $\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Dry ounces in a pound = _____
- 2.) 1 Ton = _____ pounds
- 3.) 2 Tons = _____ pounds
- 4.) 3 Tons = _____ pounds
- 5.) About what is the **weight** of your **body** in pounds? _____
- 6.) About what is the **weight** of a student desk in your classroom? _____
- 7.) 2 pounds = _____ dry ounces
- 8.) 1 pound = _____ dry ounces
- 9.) 32 dry ounces = _____ pounds
- 10.) $\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Dry ounces in a pound = _____
- 2.) 2 Tons = _____ pounds
- 3.) 4 Tons = _____ pounds
- 4.) 1 Ton = _____ pounds
- 5.) About what is the **weight** of your **body** in pounds? _____
- 6.) About what is the **weight** of a gallon of milk in your refrigerator? _____
- 7.) 3 pounds = _____ dry ounces
- 8.) 2 pound = _____ dry ounces
- 9.) 8 dry ounces = _____ pounds
- 10.) $\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Dry ounces in a pound = _____
- 2.) 2 Tons = _____ pounds
- 3.) 4 Tons = _____ pounds
- 4.) 1 Ton = _____ pounds
- 5.) About what is the **weight** of your **body** in pounds? _____
- 6.) About what is the **weight** of a gallon of milk in your refrigerator? _____
- 7.) 3 pounds = _____ dry ounces
- 8.) 2 pound = _____ dry ounces
- 9.) 8 dry ounces = _____ pounds
- 10.) $\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Dry ounces in a pound = _____
- 2.) 2 Tons = _____ pounds
- 3.) 4 Tons = _____ pounds
- 4.) 1 Ton = _____ pounds
- 5.) About what is the **weight** of your **body** in pounds? _____
- 6.) About what is the **weight** of a gallon of milk in your refrigerator? _____
- 7.) 3 pounds = _____ dry ounces
- 8.) 2 pound = _____ dry ounces
- 9.) 8 dry ounces = _____ pounds
- 10.) $\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 16 ounces = _____ pound
- 2.) 4 Tons = _____ pounds
- 3.) 4,000 pounds = _____ Tons
- 4.) 2 Tons = _____ pounds
- 5.) About what is the **weight** of a normal sized car? _____
- 6.) About what is the **weight** of a classroom chair? _____
- 7.) 8 dry ounces = _____ pound
- 8.) 1 pound = _____ dry ounces
- 9.) $\frac{1}{2}$ pound = _____ dry ounces
- 10.) $1\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 16 ounces = _____ pound
- 2.) 4 Tons = _____ pounds
- 3.) 4,000 pounds = _____ Tons
- 4.) 2 Tons = _____ pounds
- 5.) About what is the **weight** of a normal sized car? _____
- 6.) About what is the **weight** of a classroom chair? _____
- 7.) 8 dry ounces = _____ pound
- 8.) 1 pound = _____ dry ounces
- 9.) $\frac{1}{2}$ pound = _____ dry ounces
- 10.) $1\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 16 ounces = _____ pound
- 2.) 4 Tons = _____ pounds
- 3.) 4,000 pounds = _____ Tons
- 4.) 2 Tons = _____ pounds
- 5.) About what is the **weight** of a normal sized car? _____
- 6.) About what is the **weight** of a classroom chair? _____
- 7.) 8 dry ounces = _____ pound
- 8.) 1 pound = _____ dry ounces
- 9.) $\frac{1}{2}$ pound = _____ dry ounces
- 10.) $1\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 32 ounces = _____ pounds
- 2.) 5 Tons = _____ pounds
- 3.) 6,000 pounds = _____ Tons
- 4.) 2 Tons = _____ pounds
- 5.) About what is the **weight** of a normal sized car? _____
- 6.) About what is the **weight** of the classroom clock on the wall? _____
- 7.) 48 dry ounces = _____ pounds
- 8.) 1 pound = _____ dry ounces
- 9.) $\frac{1}{2}$ pound = _____ dry ounces
- 10.) $1\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 32 ounces = _____ pounds
- 2.) 5 Tons = _____ pounds
- 3.) 6,000 pounds = _____ Tons
- 4.) 2 Tons = _____ pounds
- 5.) About what is the **weight** of a normal sized car? _____
- 6.) About what is the **weight** of the classroom clock on the wall? _____
- 7.) 48 dry ounces = _____ pounds
- 8.) 1 pound = _____ dry ounces
- 9.) $\frac{1}{2}$ pound = _____ dry ounces
- 10.) $1\frac{1}{2}$ pound = _____ dry ounces

Daily Math 5 minute Review on Measurement

- 1.) 32 ounces = _____ pounds
- 2.) 5 Tons = _____ pounds
- 3.) 6,000 pounds = _____ Tons
- 4.) 2 Tons = _____ pounds
- 5.) About what is the **weight** of a normal sized car? _____
- 6.) About what is the **weight** of the classroom clock on the wall? _____
- 7.) 48 dry ounces = _____ pounds
- 8.) 1 pound = _____ dry ounces
- 9.) $\frac{1}{2}$ pound = _____ dry ounces
- 10.) $1\frac{1}{2}$ pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 64 dry ounces = _____ pounds
- 2.) 6 Tons = _____ pounds
- 3.) 6,000 pounds = _____ Tons
- 4.) 1/2 Ton = _____ pounds
- 5.) Would you weigh more on Earth or on the moon? _____
- 6.) About what is the **weight** of the teacher's desk? _____
- 7.) 8 dry ounces = _____ pounds
- 8.) 1 pound = _____ dry ounces
- 9.) 1/2 pound = _____ dry ounces
- 10.) 1 1/2 pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 64 dry ounces = _____ pounds
- 2.) 6 Tons = _____ pounds
- 3.) 6,000 pounds = _____ Tons
- 4.) 1/2 Ton = _____ pounds
- 5.) Would you weigh more on Earth or on the moon? _____
- 6.) About what is the **weight** of the teacher's desk? _____
- 7.) 8 dry ounces = _____ pounds
- 8.) 1 pound = _____ dry ounces
- 9.) 1/2 pound = _____ dry ounces
- 10.) 1 1/2 pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 64 dry ounces = _____ pounds
- 2.) 6 Tons = _____ pounds
- 3.) 6,000 pounds = _____ Tons
- 4.) 1/2 Ton = _____ pounds
- 5.) Would you weigh more on Earth or on the moon? _____
- 6.) About what is the **weight** of the teacher's desk? _____
- 7.) 8 dry ounces = _____ pounds
- 8.) 1 pound = _____ dry ounces
- 9.) 1/2 pound = _____ dry ounces
- 10.) 1 1/2 pound = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 32 dry ounces = _____ pounds
- 2.) 1 Ton = _____ pounds
- 3.) 3,000 pounds = _____ Tons (**think**)
- 4.) 1/2 Ton = _____ pounds
- 5.) Would you weigh more on Earth or on the planet Jupiter? _____
- 6.) About what is the **weight** of the principal? _____
- 7.) 8 dry ounces = _____ pounds
- 8.) 2 pounds = _____ dry ounces
- 9.) 1/2 pound = _____ dry ounces
- 10.) 2 1/2 pounds = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 32 dry ounces = _____ pounds
- 2.) 1 Ton = _____ pounds
- 3.) 3,000 pounds = _____ Tons (**think**)
- 4.) 1/2 Ton = _____ pounds
- 5.) Would you weigh more on Earth or on the planet Jupiter? _____
- 6.) About what is the **weight** of the principal? _____
- 7.) 8 dry ounces = _____ pounds
- 8.) 2 pounds = _____ dry ounces
- 9.) 1/2 pound = _____ dry ounces
- 10.) 2 1/2 pounds = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 32 dry ounces = _____ pounds
- 2.) 1 Ton = _____ pounds
- 3.) 3,000 pounds = _____ Tons (**think**)
- 4.) 1/2 Ton = _____ pounds
- 5.) Would you weigh more on Earth or on the planet Jupiter? _____
- 6.) About what is the **weight** of the principal? _____
- 7.) 8 dry ounces = _____ pounds
- 8.) 2 pounds = _____ dry ounces
- 9.) 1/2 pound = _____ dry ounces
- 10.) 2 1/2 pounds = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 3 pounds = _____ dry ounces
- 2.) 2 Tons = _____ pounds
- 3.) 5,000 pounds = _____ Tons (**think**)
- 4.) 1/2 Ton = _____ pounds
- 5.) Would you weigh more on Earth or on the moon? _____
- 6.) About what is the weight of the assistant principal at your school? _____
- 7.) 8 dry ounces = _____ pounds
- 8.) 4 pounds = _____ dry ounces
- 9.) 1/2 pound = _____ dry ounces
- 10.) 1 1/2 pounds = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 3 pounds = _____ dry ounces
- 2.) 2 Tons = _____ pounds
- 3.) 5,000 pounds = _____ Tons (**think**)
- 4.) 1/2 Ton = _____ pounds
- 5.) Would you weigh more on Earth or on the moon? _____
- 6.) About what is the weight of the assistant principal at your school? _____
- 7.) 8 dry ounces = _____ pounds
- 8.) 4 pounds = _____ dry ounces
- 9.) 1/2 pound = _____ dry ounces
- 10.) 1 1/2 pounds = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 3 pounds = _____ dry ounces
- 2.) 2 Tons = _____ pounds
- 3.) 5,000 pounds = _____ Tons (**think**)
- 4.) 1/2 Ton = _____ pounds
- 5.) Would you weigh more on Earth or on the moon? _____
- 6.) About what is the weight of the assistant principal at your school? _____
- 7.) 8 dry ounces = _____ pounds
- 8.) 4 pounds = _____ dry ounces
- 9.) 1/2 pound = _____ dry ounces
- 10.) 1 1/2 pounds = _____ dry ounces

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|---|
| 1.) 1 pound – 2 ounces = _____ dry ounces | 7.) 16 dry ounces = _____ pound |
| 2.) 1 pound – 4 ounces = _____ dry ounces | 8.) 3 pounds = _____ dry ounces |
| 3.) 6,000 pounds = _____ Tons | 9.) $\frac{1}{2}$ pound = _____ dry ounces |
| 4.) $1\frac{1}{2}$ Tons = _____ pounds | 10.) $1\frac{1}{2}$ pounds = _____ dry ounces |
| 5.) 32 dry ounces = _____ pounds | 11.) $2\frac{1}{2}$ pounds = _____ dry ounces |
| 6.) 8,000 pounds = _____ Tons | 12.) $2\frac{1}{2}$ Tons = _____ pounds |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|---|
| 1.) 1 pound – 2 ounces = _____ dry ounces | 7.) 16 dry ounces = _____ pound |
| 2.) 1 pound – 4 ounces = _____ dry ounces | 8.) 3 pounds = _____ dry ounces |
| 3.) 6,000 pounds = _____ Tons | 9.) $\frac{1}{2}$ pound = _____ dry ounces |
| 4.) $1\frac{1}{2}$ Tons = _____ pounds | 10.) $1\frac{1}{2}$ pounds = _____ dry ounces |
| 5.) 32 dry ounces = _____ pounds | 11.) $2\frac{1}{2}$ pounds = _____ dry ounces |
| 6.) 8,000 pounds = _____ Tons | 12.) $2\frac{1}{2}$ Tons = _____ pounds |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|---|
| 1.) 1 pound – 2 ounces = _____ dry ounces | 7.) 16 dry ounces = _____ pound |
| 2.) 1 pound – 4 ounces = _____ dry ounces | 8.) 3 pounds = _____ dry ounces |
| 3.) 6,000 pounds = _____ Tons | 9.) $\frac{1}{2}$ pound = _____ dry ounces |
| 4.) $1\frac{1}{2}$ Tons = _____ pounds | 10.) $1\frac{1}{2}$ pounds = _____ dry ounces |
| 5.) 32 dry ounces = _____ pounds | 11.) $2\frac{1}{2}$ pounds = _____ dry ounces |
| 6.) 8,000 pounds = _____ Tons | 12.) $2\frac{1}{2}$ Tons = _____ pounds |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|---|
| 1.) 1 pound – 10 ounces = _____ dry ounces | 7.) 32 dry ounces = _____ pounds |
| 2.) 1 pound – 6 ounces = _____ dry ounces | 8.) 4 pounds = _____ dry ounces |
| 3.) 10,000 pounds = _____ Tons | 9.) $\frac{1}{2}$ pound = _____ dry ounces |
| 4.) $1\frac{1}{2}$ Tons = _____ pounds | 10.) $1\frac{1}{2}$ pounds = _____ dry ounces |
| 5.) 48 dry ounces = _____ pounds | 11.) $2\frac{1}{2}$ pounds = _____ dry ounces |
| 6.) 4,000 pounds = _____ Tons | 12.) $2\frac{1}{2}$ Tons = _____ pounds |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|---|
| 1.) 1 pound – 10 ounces = _____ dry ounces | 7.) 32 dry ounces = _____ pounds |
| 2.) 1 pound – 6 ounces = _____ dry ounces | 8.) 4 pounds = _____ dry ounces |
| 3.) 10,000 pounds = _____ Tons | 9.) $\frac{1}{2}$ pound = _____ dry ounces |
| 4.) $1\frac{1}{2}$ Tons = _____ pounds | 10.) $1\frac{1}{2}$ pounds = _____ dry ounces |
| 5.) 48 dry ounces = _____ pounds | 11.) $2\frac{1}{2}$ pounds = _____ dry ounces |
| 6.) 4,000 pounds = _____ Tons | 12.) $2\frac{1}{2}$ Tons = _____ pounds |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|---|
| 1.) 1 pound – 10 ounces = _____ dry ounces | 7.) 32 dry ounces = _____ pounds |
| 2.) 1 pound – 6 ounces = _____ dry ounces | 8.) 4 pounds = _____ dry ounces |
| 3.) 10,000 pounds = _____ Tons | 9.) $\frac{1}{2}$ pound = _____ dry ounces |
| 4.) $1\frac{1}{2}$ Tons = _____ pounds | 10.) $1\frac{1}{2}$ pounds = _____ dry ounces |
| 5.) 48 dry ounces = _____ pounds | 11.) $2\frac{1}{2}$ pounds = _____ dry ounces |
| 6.) 4,000 pounds = _____ Tons | 12.) $2\frac{1}{2}$ Tons = _____ pounds |

Answer Key

Measurement

Customary – Weight

4th through 8th Grades

**10 Day Unit
of 60 Day Measurement Program**

5 – 10 Minutes Per Day

Customary Units – Weight – ANSWER KEY

Customary Units – Weight Name: Answer Key - Day 21

Daily Math 5 minute Review on Measurement

- 1.) Dry ounces in a pound = 16
- 2.) Pounds in 1 Ton = 2,000
- 3.) 2 Tons = 4,000 pounds
- 4.) 3 Tons = 6,000 pounds
- 5.) About what is the **weight** of your **body** in pounds? varies (help students know their weight to use their weight as a reference for other smaller objects.)
- 6.) About what is the **weight** of one pineapple purchased in the store in pounds? about 2
- 7.) 1 pound = 16 dry ounces
- 8.) 2 pounds = 32 dry ounces
- 9.) 32 dry ounces = 2 pounds
- 10.) $\frac{1}{2}$ pound = 8 dry ounces

Customary Units – Weight Name: Answer Key - Day 22

Daily Math 5 minute Review on Measurement

- 1.) Dry ounces in a pound = 16
- 2.) 1 Ton = 2,000 pounds
- 3.) 2 Tons = 4,000 pounds
- 4.) 3 Tons = 6,000 pounds
- 5.) About what is the **weight** of your **body** in pounds? varies (help students know their weight to use their weight as a reference for other smaller objects.)
- 6.) About what is the **weight** of a student desk in your classroom? about 25 pounds - varies
- 7.) 2 pounds = 32 dry ounces
- 8.) 1 pound = 16 dry ounces
- 9.) 32 dry ounces = 2 pounds
- 10.) $\frac{1}{2}$ pound = 8 dry ounces

Customary Units – Weight Name: Answer Key - Day 23

Daily Math 5 minute Review on Measurement

- 1.) Dry ounces in a pound = 16
- 2.) 2 Tons = 4,000 pounds
- 3.) 4 Tons = 8,000 pounds
- 4.) 1 Ton = 2,000 pounds
- 5.) About what is the **weight** of your **body** in pounds? varies (help students know their weight to use their weight as a reference for other smaller objects.)
- 6.) About what is the **weight** of a gallon of milk in your refrigerator? 8 pounds
- 7.) 3 pounds = 48 dry ounces
- 8.) 2 pound = 32 dry ounces
- 9.) 8 dry ounces = $\frac{1}{2}$ pounds
- 10.) $\frac{1}{2}$ pound = 8 dry ounces

Customary Units – Weight – ANSWER KEY

Customary Units – Weight Name: Answer Key - Day 24

Daily Math 5 minute Review on Measurement

- 16 ounces = 1 pound
- 4 Tons = 8,000 pounds
- 4,000 pounds = 2 Tons
- 2 Tons = 4,000 pounds
- About what is the **weight** of a normal sized car? varies - 2,000 lbs. to 3,500 lbs.
- About what is the **weight** of a classroom chair? varies – reasonable 12 to 20 lbs.
- 8 dry ounces = 1/2 pound
- 1 pound = 16 dry ounces
- 1/2 pound = 8 dry ounces
- 1 1/2 pound = 24 dry ounces

Customary Units – Weight Name: Answer Key - Day 25

Daily Math 5 minute Review on Measurement

- 32 ounces = 2 pounds
- 5 Tons = 10,000 pounds
- 6,000 pounds = 3 Tons
- 2 Tons = 4,000 pounds
- About what is the **weight** of a normal sized car? varies - 2,000 lbs. to 3,500 lbs.
- About what is the **weight** of the classroom clock on the wall? varies – 2 to 3 lbs.
- 48 dry ounces = 3 pounds
- 1 pound = 16 dry ounces
- 1/2 pound = 8 dry ounces
- 1 1/2 pound = 24 dry ounces

Customary Units – Weight Name: Answer Key - Day 26

Daily Math 5 minute Review on Measurement

- 64 dry ounces = 4 pounds
- 6 Tons = 12,000 pounds
- 6,000 pounds = 3 Tons
- 1/2 Ton = 1,000 pounds
- Would you weigh more on Earth or on the moon? Earth, moon is smaller. Earth has a higher gravitational field – more mass – pulls harder on all objects.
- About what is the **weight** of the teacher's desk? Varies – 50 to 100 pounds - reasonable
- 8 dry ounces = 1/2 pounds
- 1 pound = 16 dry ounces
- 1/2 pound = 8 dry ounces
- 1 1/2 pound = 24 dry ounces

Customary Units – Weight – ANSWER KEY

Customary Units – Weight Name: Answer Key - Day 27

Daily Math 5 minute Review on Measurement

- 1.) 32 dry ounces = 2 pounds
- 2.) 1 Ton = 2,000 pounds
- 3.) 3,000 pounds = 1 1/2 Tons (**think**)
- 4.) 1/2 Ton = 1,000 pounds
- 5.) Would you weigh more on Earth or on the planet Jupiter? Jupiter, the Earth is smaller. Jupiter has much more mass than Earth...larger gravitational field...PULLS MORE.
- 6.) About what is the weight of the principal? Varies – 100 to 300 pounds – Be Nice!!
- 7.) 8 dry ounces = 1/2 pounds
- 8.) 2 pounds = 32 dry ounces
- 9.) 1/2 pound = 8 dry ounces
- 10.) 2 1/2 pounds = 40 dry ounces

Customary Units – Weight Name: Answer Key - Day 28

Daily Math 5 minute Review on Measurement

- 1.) 3 pounds = 48 dry ounces
- 2.) 2 Tons = 4,000 pounds
- 3.) 5,000 pounds = 2 1/2 Tons (**think**)
- 4.) 1/2 Ton = 1,000 pounds
- 5.) Would you weigh more on Earth or on the moon? Earth – if a person weighs 180 lbs. on Earth, then they weigh 1/6 of that weight on the moon or 30 lbs.
- 6.) About what is the weight of the assistant principal at your school? Varies – 100 to 300 lbs.
- 7.) 8 dry ounces = 1/2 pounds
- 8.) 4 pounds = 64 dry ounces
- 9.) 1/2 pound = 8 dry ounces
- 10.) 1 1/2 pounds = 24 dry ounces

Customary Units – Weight Name: Answer Key - Day 29

Daily Math 5 minute Review on Measurement

- 1.) 1 pound – 2 ounces = 18 dry ounces
- 2.) 1 pound – 4 ounces = 20 dry ounces
- 3.) 6,000 pounds = 3 Tons
- 4.) 1 1/2 Tons = 3,000 pounds
- 5.) 32 dry ounces = 16 pounds
- 6.) 8,000 pounds = 4 Tons
- 7.) 16 dry ounces = 2 pounds
- 8.) 3 pounds = 48 dry ounces
- 9.) 1/2 pound = 8 dry ounces
- 10.) 1 1/2 pounds = 24 dry ounces
- 11.) 2 1/2 pounds = 40 dry ounces
- 12.) 2 1/2 Tons = 5,000 pounds

Customary Units – Weight – ANSWER KEY

Customary Units – Weight Name: **Answer Key - Day 30**

Daily Math 5 minute Review on Measurement

1.) 1 pound – 10 ounces = 26 dry ounces

2.) 1 pound – 6 ounces = 22 dry ounces

3.) 10,000 pounds = 5 Tons

4.) 1 ½ Tons = 3,000 pounds

5.) 48 dry ounces = 4 pounds

6.) 4,000 pounds = 2 Tons

7.) 32 dry ounces = 2 pounds

8.) 4 pounds = 64 dry ounces

9.) ½ pound = 8 dry ounces

10.) 1½ pounds = 24 dry ounces

11.) 2½ pounds = 40 dry ounces

12.) 2½ Tons = 5,000 pounds

Measurement

Metric – Length

4th through 8th Grades

**10 Day Unit
of 60 Day Measurement Program**

5 – 10 Minutes Per Day

Metric Measurement – Length Section

4th - 8th Grade Five-Minute Daily Measurement Warm-Ups

This 10 day program (per section) is intended to provide basic skill levels in converting and understanding magnitudes in the following measurement areas/sections:

- 1.) Customary Measurement (Length): inches, feet, yards and miles.
- 2.) Customary Measurement (Capacity – Volume): ounces, cups, pints, quarts and gallons.
- 3.) Customary Measurement (Weight): ounces (dry), pounds and tons.
- 4.) **Metric Measurement (Length): millimeters (mm), centimeters (cm), meters (m) and kilometers (km)**
- 5.) Metric Measurement (Capacity): milliliters (ml), Liters (L) and Kiloliters (kl)
- 6.) Metric Measurement (Mass): milligram (mg), grams (g) and kilograms (kg)

The warm-ups are designed so the children can readily pick them up as they enter the classroom or the warm-ups are distributed normally through classroom procedures. The teacher must make minimal copies, since the sheets may be separated into 3 student sheets per page. Hence, with 24 students – only 8 Xerox copies need to be made for an entire classroom. An answer key is provided at the end of the packet.

Section 4.) Metric Measurement (Length): millimeters (mm), centimeters (cm), meters (m) and kilometers (km) are included in this instructional packet.

Metric Measurements in Length are challenging for many 5th – 8th graders due to their general unfamiliarity of magnitudes on the length of a centimeter or millimeter. Consequently, in order to ingrain the size of millimeters and centimeters, the student should will need to become adept at physically measuring lines with a ruler. More practice than the daily warm-up will be needed to master basic metric measurement. Furthermore, as a student's math facts and computational skills develop, simple applications in computing the area and perimeter of quadrilaterals or triangles assist in the student reinforcing many important skills at one time. In fifth grade, since students are taught the addition and multiplication algorithms using decimals, there should no problem a student cannot work at a competent level in computing that area or perimeter of a polygon after using a ruler to measure the length of each side of the polygon.

It is recommended that the teacher use visual aides to assist students (a meter stick) to assist them in visualizing the magnitude or length of a meter, and repetitively requiring students to understand that there are 1,000 millimeters and 100 centimeters in 1 meter. Also, when explaining the distance of a kilometer (1,000 meters), it is highly recommended that a reference distance be chosen that students are familiar (usually the distance from the school to a known building or landmark to assist students in a more concrete distance of 1 kilometer).

When students struggle with certain problem types in the daily warm-ups, it is a clear indication that the students need more practice with that concept, not less. It is advisable for the teacher to present quick practice examples in math class or during transition periods until students master that concept or problem type. Much practice will be required for mastery in metric measurement since the students are not as familiar with these units of measure in this country...even though it is much easier to convert between equivalent units than customary.

It is also recommended to use these short daily measurements in conjunction with a Space Repetition System classroom instructional methodology

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|-----------------------|
| 1.) centimeters in a meter _____ | 7.) 2 cm = _____ mm |
| 2.) millimeters in a meter _____ | 8.) 4 cm = _____ mm |
| 3.) millimeters in a centimeter _____ | 9.) 2 m = _____ cm |
| 4.) About how big is a centimeter? _____ | 10.) 20 mm = _____ cm |
| 5.) About how long is your thumb in centimeters? _____ | 11.) 15 mm = _____ cm |
| 6.) Measure in centimeters : _____ centimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|-----------------------|
| 1.) centimeters in a meter _____ | 7.) 2 cm = _____ mm |
| 2.) millimeters in a meter _____ | 8.) 4 cm = _____ mm |
| 3.) millimeters in a centimeter _____ | 9.) 2 m = _____ cm |
| 4.) About how big is a centimeter? _____ | 10.) 20 mm = _____ cm |
| 5.) About how long is your thumb in centimeters? _____ | 11.) 15 mm = _____ cm |
| 6.) Measure in centimeters : _____ centimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|-----------------------|
| 1.) centimeters in a meter _____ | 7.) 2 cm = _____ mm |
| 2.) millimeters in a meter _____ | 8.) 4 cm = _____ mm |
| 3.) millimeters in a centimeter _____ | 9.) 2 m = _____ cm |
| 4.) About how big is a centimeter? _____ | 10.) 20 mm = _____ cm |
| 5.) About how long is your thumb in centimeters? _____ | 11.) 15 mm = _____ cm |
| 6.) Measure in centimeters : _____ centimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) centimeters in a meter _____
- 2.) millimeters in a meter _____
- 3.) millimeters in a centimeter _____
- 4.) About how big is a centimeter? _____
- 5.) About how long is your **little finger** in centimeters? _____
- 6.) Measure in **millimeters**: _____ millimeters
- 7.) 3 cm = _____ mm
- 8.) 20 mm = _____ cm
- 9.) 3 m = _____ cm
- 10.) 40 mm = _____ cm
- 11.) 25 mm = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) centimeters in a meter _____
- 2.) millimeters in a meter _____
- 3.) millimeters in a centimeter _____
- 4.) About how big is a centimeter? _____
- 5.) About how long is your **little finger** in centimeters? _____
- 6.) Measure in **millimeters**: _____ millimeters
- 7.) 3 cm = _____ mm
- 8.) 20 mm = _____ cm
- 9.) 3 m = _____ cm
- 10.) 40 mm = _____ cm
- 11.) 25 mm = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) centimeters in a meter _____
- 2.) millimeters in a meter _____
- 3.) millimeters in a centimeter _____
- 4.) About how big is a centimeter? _____
- 5.) About how long is your **little finger** in centimeters? _____
- 6.) Measure in **millimeters**: _____ millimeters
- 7.) 3 cm = _____ mm
- 8.) 20 mm = _____ cm
- 9.) 3 m = _____ cm
- 10.) 40 mm = _____ cm
- 11.) 25 mm = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|-----------------------|
| 1.) millimeters in a meter _____ | 7.) 7 cm = _____ mm |
| 2.) centimeters in a meter _____ | 8.) 50 mm = _____ cm |
| 3.) millimeters in a centimeter _____ | 9.) 2 m = _____ cm |
| 4.) About how big is a centimeter? _____ | 10.) 35 mm = _____ cm |
| 5.) About how tall is the ceiling in meters? _____ | 11.) 15 mm = _____ cm |
| 6.) Measure:  _____ millimeters = _____ centimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|-----------------------|
| 1.) millimeters in a meter _____ | 7.) 7 cm = _____ mm |
| 2.) centimeters in a meter _____ | 8.) 50 mm = _____ cm |
| 3.) millimeters in a centimeter _____ | 9.) 2 m = _____ cm |
| 4.) About how big is a centimeter? _____ | 10.) 35 mm = _____ cm |
| 5.) About how tall is the ceiling in meters? _____ | 11.) 15 mm = _____ cm |
| 6.) Measure:  _____ millimeters = _____ centimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|-----------------------|
| 1.) millimeters in a meter _____ | 7.) 7 cm = _____ mm |
| 2.) centimeters in a meter _____ | 8.) 50 mm = _____ cm |
| 3.) millimeters in a centimeter _____ | 9.) 2 m = _____ cm |
| 4.) About how big is a centimeter? _____ | 10.) 35 mm = _____ cm |
| 5.) About how tall is the ceiling in meters? _____ | 11.) 15 mm = _____ cm |
| 6.) Measure:  _____ millimeters = _____ centimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) centimeters in a meter _____
- 2.) millimeters in a centimeter _____
- 3.) millimeters in a meter _____
- 4.) What does the word 'meter' mean? _____
- 5.) About how high is the ceiling in meters from the floor? _____
- 6.) Measure:  _____ centimeters = _____ millimeters
- 7.) 10 cm = _____ mm
- 8.) 90 mm = _____ cm
- 9.) 5 m = _____ cm
- 10.) 32 mm = _____ cm
- 11.) 19 mm = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) centimeters in a meter _____
- 2.) millimeters in a centimeter _____
- 3.) millimeters in a meter _____
- 4.) What does the word 'meter' mean? _____
- 5.) About how high is the ceiling in meters from the floor? _____
- 6.) Measure:  _____ centimeters = _____ millimeters
- 7.) 10 cm = _____ mm
- 8.) 90 mm = _____ cm
- 9.) 5 m = _____ cm
- 10.) 32 mm = _____ cm
- 11.) 19 mm = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) centimeters in a meter _____
- 2.) millimeters in a centimeter _____
- 3.) millimeters in a meter _____
- 4.) What does the word 'meter' mean? _____
- 5.) About how high is the ceiling in meters from the floor? _____
- 6.) Measure:  _____ centimeters = _____ millimeters
- 7.) 10 cm = _____ mm
- 8.) 90 mm = _____ cm
- 9.) 5 m = _____ cm
- 10.) 32 mm = _____ cm
- 11.) 19 mm = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|-----------------------|
| 1.) centimeters in a meter _____ | 7.) 15 cm = _____ mm |
| 2.) millimeters in a centimeter _____ | 8.) 80 mm = _____ cm |
| 3.) millimeters in a meter _____ | 9.) 4 m = _____ cm |
| 4.) What does the word 'meter' mean? _____ | 10.) 24 mm = _____ cm |
| 5.) About how long is a car in meters? _____ | 11.) 17 mm = _____ cm |
| 6.) Measure: _____ centimeters = _____ millimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|-----------------------|
| 7.) centimeters in a meter _____ | 7.) 15 cm = _____ mm |
| 8.) millimeters in a centimeter _____ | 8.) 80 mm = _____ cm |
| 9.) millimeters in a meter _____ | 9.) 4 m = _____ cm |
| 10.) What does the word 'meter' mean? _____ | 10.) 24 mm = _____ cm |
| 11.) About how long is a car in meters? _____ | 11.) 17 mm = _____ cm |
| 12.) Measure: _____ centimeters = _____ millimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|-----------------------|
| 13.) centimeters in a meter _____ | 7.) 15 cm = _____ mm |
| 14.) millimeters in a centimeter _____ | 8.) 80 mm = _____ cm |
| 15.) millimeters in a meter _____ | 9.) 4 m = _____ cm |
| 16.) What does the word 'meter' mean? _____ | 10.) 24 mm = _____ cm |
| 17.) About how long is a car in meters? _____ | 11.) 17 mm = _____ cm |
| 18.) Measure: _____ centimeters = _____ millimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|-----------------------|
| 1.) 300 centimeters equals _____ meters | 7.) 12 cm = _____ mm |
| 2.) 60 millimeters equals _____ centimeters | 8.) 76 mm = _____ cm |
| 3.) 1,000 millimeters equals _____ meter | 9.) 0.5 m = _____ cm |
| 4.) What does the word 'meter' mean? _____ | 10.) 2 m = _____ cm |
| 5.) About how tall is your teacher in centimeters? _____ | 11.) 2.5 m = _____ cm |
| 6.) Measure: _____ millimeters = _____ centimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|-----------------------|
| 1.) 300 centimeters equals _____ meters | 7.) 12 cm = _____ mm |
| 2.) 60 millimeters equals _____ centimeters | 8.) 76 mm = _____ cm |
| 3.) 1,000 millimeters equals _____ meter | 9.) 0.5 m = _____ cm |
| 4.) What does the word 'meter' mean? _____ | 10.) 2 m = _____ cm |
| 5.) About how tall is your teacher in centimeters? _____ | 11.) 2.5 m = _____ cm |
| 6.) Measure: _____ millimeters = _____ centimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|-----------------------|
| 1.) 300 centimeters equals _____ meters | 7.) 12 cm = _____ mm |
| 2.) 60 millimeters equals _____ centimeters | 8.) 76 mm = _____ cm |
| 3.) 1,000 millimeters equals _____ meter | 9.) 0.5 m = _____ cm |
| 4.) What does the word 'meter' mean? _____ | 10.) 2 m = _____ cm |
| 5.) About how tall is your teacher in centimeters? _____ | 11.) 2.5 m = _____ cm |
| 6.) Measure: _____ millimeters = _____ centimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 800 centimeters equals _____ meters
- 2.) 40 millimeters equals _____ centimeter
- 3.) 500 millimeters equals _____ meter (think)
- 4.) How many **meters** in a kilometer? _____
- 5.) 2 kilometers equals _____ meters
- 6.) Measure:  _____ centimeters = _____ millimeters
- 7.) 4.6 cm = _____ mm
- 8.) 78 mm = _____ cm
- 9.) 0.5 m = _____ cm
- 10.) 3 m = _____ cm
- 11.) 3.5 m = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 800 centimeters equals _____ meters
- 2.) 40 millimeters equals _____ centimeter
- 3.) 500 millimeters equals _____ meter (think)
- 4.) How many **meters** in a kilometer? _____
- 5.) 2 kilometers equals _____ meters
- 6.) Measure:  _____ centimeters = _____ millimeters
- 7.) 4.6 cm = _____ mm
- 8.) 78 mm = _____ cm
- 9.) 0.5 m = _____ cm
- 10.) 3 m = _____ cm
- 11.) 3.5 m = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 800 centimeters equals _____ meters
- 2.) 40 centimeters equals _____ meter (think)
- 3.) 500 millimeters equals _____ meter (think)
- 4.) How many **meters** in a kilometer? _____
- 5.) 2 kilometers equals _____ meters
- 6.) Measure:  _____ centimeters = _____ millimeters
- 7.) 4.6 cm = _____ mm
- 8.) 78 mm = _____ cm
- 9.) 0.5 m = _____ cm
- 10.) 3 m = _____ cm
- 11.) 3.5 m = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|------------------------|
| 1.) 1 kilometer = _____ meters or 1,000 meters = _____ km | 7.) 8.6 cm = _____ mm |
| 2.) 2,000 meters = _____ kilometers | 8.) 98 mm = _____ cm |
| 3.) 4 kilometers = _____ meters | 9.) 0.5 m = _____ cm |
| 4.) 5,000 meters = _____ kilometers | 10.) 2.5 m = _____ cm |
| 5.) 2.5 kilometers equals _____ meters (think) | 11.) 1.34 m = _____ cm |
| 6.) Measure: _____ millimeters = _____ centimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|------------------------|
| 1.) 1 kilometer = _____ meters or 1,000 meters = _____ km | 7.) 8.6 cm = _____ mm |
| 2.) 2,000 meters = _____ kilometers | 8.) 98 mm = _____ cm |
| 3.) 4 kilometers = _____ meters | 9.) 0.5 m = _____ cm |
| 4.) 5,000 meters = _____ kilometers | 10.) 2.5 m = _____ cm |
| 5.) 2.5 kilometers equals _____ meters (think) | 11.) 1.34 m = _____ cm |
| 6.) Measure: _____ millimeters = _____ centimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|--|------------------------|
| 1.) 1 kilometer = _____ meters or 1,000 meters = _____ km | 7.) 8.6 cm = _____ mm |
| 2.) 2,000 meters = _____ kilometers | 8.) 98 mm = _____ cm |
| 3.) 4 kilometers = _____ meters | 9.) 0.5 m = _____ cm |
| 4.) 5,000 meters = _____ kilometers | 10.) 2.5 m = _____ cm |
| 5.) 2.5 kilometers equals _____ meters (think) | 11.) 1.34 m = _____ cm |
| 6.) Measure: _____ millimeters = _____ centimeters | |

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 2 kilometer = _____ meters **or** 2,000 meters = _____ km
- 2.) 3,000 meters = _____ kilometers
- 3.) 5 kilometers = _____ meters
- 4.) 10,000 meters = _____ kilometers
- 5.) 1.5 kilometers equals _____ meters (think)
- 6.) Measure:  _____ millimeters = _____ centimeters
- 7.) 3.4 cm = _____ mm
- 8.) 48 mm = _____ cm
- 9.) 0.2 m = _____ cm
- 10.) 3.5 m = _____ cm
- 11.) 2.56 m = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 2 kilometer = _____ meters **or** 2,000 meters = _____ km
- 2.) 3,000 meters = _____ kilometers
- 3.) 5 kilometers = _____ meters
- 4.) 10,000 meters = _____ kilometers
- 5.) 1.5 kilometers equals _____ meters (think)
- 6.) Measure:  _____ millimeters = _____ centimeters
- 7.) 3.4 cm = _____ mm
- 8.) 48 mm = _____ cm
- 9.) 0.2 m = _____ cm
- 10.) 3.5 m = _____ cm
- 11.) 2.56 m = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 2 kilometer = _____ meters **or** 2,000 meters = _____ km
- 2.) 3,000 meters = _____ kilometers
- 3.) 5 kilometers = _____ meters
- 4.) 10,000 meters = _____ kilometers
- 5.) 1.5 kilometers equals _____ meters (think)
- 6.) Measure:  _____ millimeters = _____ centimeters
- 7.) 3.4 cm = _____ mm
- 8.) 48 mm = _____ cm
- 9.) 0.2 m = _____ cm
- 10.) 3.5 m = _____ cm
- 11.) 2.56 m = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 1.5 kilometer = _____ meters **or** 1,500 meters = _____ km
- 2.) 7,000 meters = _____ kilometers
- 3.) 2 kilometers = _____ meters
- 4.) 500 meters = _____ kilometers
- 5.) 2.5 kilometers equals _____ meters
- 6.) Measure:  _____ centimeters = _____ millimeters
- 7.) 5.1 cm = _____ mm
- 8.) 36 mm = _____ cm
- 9.) 0.8 m = _____ cm
- 10.) 2.5 m = _____ cm
- 11.) 1.32 m = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 1.5 kilometer = _____ meters **or** 1,500 meters = _____ km
- 2.) 7,000 meters = _____ kilometers
- 3.) 2 kilometers = _____ meters
- 4.) 500 meters = _____ kilometers
- 5.) 2.5 kilometers equals _____ meters
- 6.) Measure:  _____ centimeters = _____ millimeters
- 7.) 5.1 cm = _____ mm
- 8.) 36 mm = _____ cm
- 9.) 0.8 m = _____ cm
- 10.) 2.5 m = _____ cm
- 11.) 1.32 m = _____ cm

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 1.5 kilometer = _____ meters **or** 1,500 meters = _____ km
- 2.) 7,000 meters = _____ kilometers
- 3.) 2 kilometers = _____ meters
- 4.) 500 meters = _____ kilometers
- 5.) 2.5 kilometers equals _____ meters
- 6.) Measure:  _____ centimeters = _____ millimeters
- 7.) 5.1 cm = _____ mm
- 8.) 36 mm = _____ cm
- 9.) 0.8 m = _____ cm
- 10.) 2.5 m = _____ cm
- 11.) 1.32 m = _____ cm

Answer Key

Measurement

Metric – Length

4th through 8th Grades

**10 Day Unit
of 60 Day Measurement Program**

5 – 10 Minutes Per Day

Metric Units – Length – ANSWER KEY

Metric Units – Length Name: Answer Key - Day 31

Daily Math 5 minute Review on Measurement

- 1.) centimeters in a meter 100
- 2.) millimeters in a meter 1,000
- 3.) millimeters in a centimeter 10
- 4.) About how big is a centimeter? the length of the fingernail on your small finger
- 5.) About how long is your thumb in centimeters? varies
- 6.) Measure in centimeters: _____ 7.9 centimeters
- 7.) 2 cm = 20 mm
- 8.) 4 cm = 40 mm
- 9.) 2 m = 200 cm
- 10.) 20 mm = 2 cm
- 11.) 15 mm = 1.5 cm

Metric Units – Length Name: Answer Key - Day 32

Daily Math 5 minute Review on Measurement

- 1.) centimeters in a meter 100
- 2.) millimeters in a meter 1,000
- 3.) millimeters in a centimeter 10
- 4.) About how big is a centimeter? the length of the fingernail on your small finger
- 5.) About how long is your little finger in centimeters? varies
- 6.) Measure in millimeters: _____ 74 millimeters
- 7.) 3 cm = 3 mm
- 8.) 20 mm = 2 cm
- 9.) 3 m = 300 cm
- 10.) 40 mm = 4 cm
- 11.) 25 mm = 2.5 cm

Metric Units – Length Name: Answer Key - Day 33

Daily Math 5 minute Review on Measurement

- 1.) millimeters in a meter 1,000
- 2.) centimeters in a meter 100
- 3.) millimeters in a centimeter 10
- 4.) About how big is a centimeter? the length of the fingernail on your small finger
- 5.) About how tall is the ceiling in meters? Varies (3 meters)
- 6.) Measure: _____ 29 millimeters = 2.9 centimeters
- 7.) 7 cm = 70 mm
- 8.) 50 mm = 5 cm
- 9.) 2 m = 200 cm
- 10.) 35 mm = 3.5 cm
- 11.) 15 mm = 1.5 cm

Metric Units – Length – ANSWER KEY

Metric Units – Length Name: Answer Key - Day 34

Daily Math 5 minute Review on Measurement

- 1.) centimeters in a meter 100
- 2.) millimeters in a centimeter 10
- 3.) millimeters in a meter 1,000
- 4.) What does the word ‘meter’ mean? ”measure”
- 5.) About how high is the ceiling in meters from the floor? Varies
- 6.) Measure:  3.8 centimeters = 38 millimeters
- 7.) 10 cm = 100 mm
- 8.) 90 mm = 9 cm
- 9.) 5 m = 500 cm
- 10.) 32 mm = 3.2 cm
- 11.) 19 mm = 1.9 cm

Metric Units – Length Name: Answer Key - Day 35

Daily Math 5 minute Review on Measurement

- 1.) centimeters in a meter 100
- 2.) millimeters in a centimeter 10
- 3.) millimeters in a meter 1,000
- 4.) What does the word ‘meter’ mean? ”measure”
- 5.) About how long is a car in meters? 3 to 4 meters
- 6.) Measure:  6.8 centimeters = 68 millimeters
- 7.) 15 cm = 150 mm
- 8.) 80 mm = 8 cm
- 9.) 4 m = 500 cm
- 10.) 24 mm = 2.4 cm
- 11.) 17 mm = 1.7 cm

Metric Units – Length Name: Answer Key - Day 36

Daily Math 5 minute Review on Measurement

- 1.) 300 centimeters equals 3 meters
- 2.) 60 millimeters equals 6 centimeters
- 3.) 1,000 millimeters equals 1 meter
- 4.) What does the word ‘meter’ mean? ”measure”
- 5.) About how tall is your teacher in centimeters? varies
- 6.) Measure:  55 millimeters = 5.5 centimeters
- 7.) 12 cm = 120 mm
- 8.) 76 mm = 7.6 cm
- 9.) 0.5 m = 50 cm
- 10.) 2 m = 200 cm
- 11.) 2.5 m = 250 cm

Metric Units – Length – ANSWER KEY

Metric Units – Length Name: Answer Key - Day 37

Daily Math 5 minute Review on Measurement

- 1.) 800 centimeters equals 8 meters
- 2.) 40 millimeters equals 4 centimeters
- 3.) 500 millimeters equals 1/2 meter (think)
- 4.) How many meters in a kilometer? 1,000
- 5.) 2 kilometers equals _____ meters
- 6.) Measure:  4.3 centimeters = 43 millimeters
- 7.) 4.6 cm = 46 mm
- 8.) 78 mm = 7.8 cm
- 9.) 0.5 m = 50 cm
- 10.) 3 m = 300 cm
- 11.) 3.5 m = 350 cm

Metric Units – Length Name: Answer Key - Day 38

Daily Math 5 minute Review on Measurement

- 1.) 1 kilometer = 1,000 meters or 1,000 meters = 1 km
- 2.) 2,000 meters = 2 kilometers
- 3.) 4 kilometers = 4,000 meters
- 4.) 5,000 meters = 5 kilometers
- 5.) 2.5 kilometers equals 2,500 meters (think)
- 6.) Measure:  72 millimeters = 7.2 centimeters
- 7.) 8.6 cm = 86 mm
- 8.) 98 mm = 9.8 cm
- 9.) 0.5 m = 50 cm
- 10.) 2.5 m = 250 cm
- 11.) 1.34 m = 134 cm

Metric Units – Length Name: Answer Key - Day 39

Daily Math 5 minute Review on Measurement

- 1.) 2 kilometer = 2,000 meters or 2,000 meters = 2 km
- 2.) 3,000 meters = 3 kilometers
- 3.) 5 kilometers = 5,000 meters
- 4.) 10,000 meters = 10 kilometers
- 5.) 1.5 kilometers equals 1500 meters (think)
- 6.) Measure:  19 millimeters = 1.9 centimeters
- 7.) 3.4 cm = 34 mm
- 8.) 48 mm = 4.8 cm
- 9.) 0.2 m = 20 cm
- 10.) 3.5 m = 350 cm
- 11.) 2.56 m = 256 cm

Metric Units – Length – ANSWER KEY

Metric Units – Length Name: **Answer Key - Day 40**

Daily Math 5 minute Review on Measurement

- 1.) 1.5 kilometer = 1,500 meters or 1,500 meters = 1.5 km 7.) 5.1 cm = 51 mm
- 2.) 7,000 meters = 7 kilometer 8.) 36 mm = 3.6 cm
- 3.) 2 kilometers = 2,000 meters 9.) 0.8 m = 80 cm
- 4.) 500 meters = 1/2 or 0.5 kilometers 10.) 2.5 m = 250 cm
- 5.) 2.5 kilometers equals 2,500 meters 11.) 1.32 m = 132 cm
- 6.) Measure:  4 centimeters = 40 millimeters

Measurement

Metric – Capacity

4th through 8th Grades

**10 Day Unit
of 60 Day Measurement Program**

5 – 10 Minutes Per Day

Metric Measurement – Capacity Section

4th - 8th Grade Five-Minute Daily Measurement Warm-Ups

This 10 day program (per section) is intended to provide basic skill levels in converting and understanding magnitudes in the following measurement areas/sections:

- 1.) Customary Measurement (Length): inches, feet, yards and miles.
- 2.) Customary Measurement (Capacity – Volume): ounces, cups, pints, quarts and gallons.
- 3.) Customary Measurement (Weight): ounces (dry), pounds and tons.
- 4.) Metric Measurement (Length): millimeters (mm), centimeters (cm), meters (m) and kilometers (km)
- 5.) **Metric Measurement (Capacity): milliliters (ml), Liters (L) and Kiloliters (KL)**
- 6.) Metric Measurement (Mass): milligram (mg), grams (g) and kilograms (kg)

The warm-ups are designed so the children can readily pick them up as they enter the classroom or the warm-ups are distributed normally through classroom procedures. The teacher must make minimal copies, since the sheets may be separated into 3 student sheets per page. Hence, with 24 students – only 8 Xerox copies need to be made for an entire classroom. An answer key is provided at the end of the packet.

Section 6.) Metric Measurement (Capacity): milliliters (ml), liters (L) and kiloliters (KL) are included in this instructional packet.

Metric Measurements in Capacity are extremely challenging for many 5th – 8th graders due to their general unfamiliarity of magnitudes on the mass of a milliliters, liters and Kiloliters. Consequently, in order to ingrain the mass of these units, the student should will need to become adept at approximate masses of familiar objects. The math and movement of the decimal point in metric makes the conversion between equivalent metric units fairly straight forward; however, the student should be instructed to ask herself/himself after each conversion to evaluate the reasonableness of their solution. Using the relative guidelines of known objects summarized in the next paragraph should make this much easier for every student. However, the more the students use and see objects that contain the metric amounts of various objects, the more adept they will become visualizing the relative magnitudes of metric capacity units.

It is recommended that the teacher use visual aides to assist students (a Liter of water or soda) to assist them in visualizing the magnitude or size of 1 Liter, and repetitively requiring students to understand that there are 1,000 liters in 1 Kiloliter and so forth. In order for the student to better understand milliliters, it is also recommended the teacher use a standard soda can as a standard. A 12 ounce soda can has 333 ml (0.333L) or a 1/3 of a Liter. The students will have a known object to associate both metric capacities...Liters and Milliliters. Finally, a milliliter is defined as the following: 1 milliliter is equivalent to 1 centimeter³. Hence, the teacher may elect to show students a 1 centimeter cube for students to accurately visualize the size of 1 milliliter.

When students struggle with certain problem types in the daily warm-ups, that is a clear indication that the students need more practice with that concept, not less. It is advisable for the teacher to present quick practice examples in math class or during transition periods until students master that concept or problem type. Much practice will be required for mastery in metric measurement since the students are not as familiar with these units of measure in this country...even though it is much easier to convert between equivalent metric units than customary.

It is also recommended to use these short daily measurements in conjunction with a Space Repetition System classroom instructional methodology

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) _____
- 2.) Liters (L) in a Kiloliter (KL) _____
- 3.) 1 milliliter in a Liter _____
- 4.) 1 Liter in a Kiloliter _____
- 5.) 1 Liter is about the size of a _____ in the customary measurement system.
- 6.) A can of soda is this many milliliters _____ (or about a third of 1 Liter).
- 7.) 2,000 ml = _____ Liters
- 8.) 5 KL = _____ Liters
- 9.) 500 ml = _____ Liter
- 10.) 1,500 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) _____
- 2.) Liters (L) in a Kiloliter (KL) _____
- 3.) 1 milliliter in a Liter _____
- 4.) 1 Liter in a Kiloliter _____
- 5.) 1 Liter is about the size of a _____ in the customary measurement system.
- 6.) A can of soda is this many milliliters _____ (or about a third of 1 Liter).
- 7.) 2,000 ml = _____ Liters
- 8.) 5 KL = _____ Liters
- 9.) 500 ml = _____ Liter
- 10.) 1,500 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) _____
- 2.) Liters (L) in a Kiloliter (KL) _____
- 3.) 1 milliliter in a Liter _____
- 4.) 1 Liter in a Kiloliter _____
- 5.) 1 Liter is about the size of a _____ in the customary measurement system.
- 6.) A can of soda is this many milliliters _____ (or about a third of 1 Liter).
- 7.) 2,000 ml = _____ Liters
- 8.) 5 KL = _____ Liters
- 9.) 500 ml = _____ Liter
- 10.) 1,500 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|------------------------------|
| 1.) Milliliters (ml) in a Liter (L) _____ | 7.) 3,000 ml = _____ Liters |
| 2.) Liters (L) in a Kiloliter (KL) _____ | 8.) 4 KL = _____ Liters |
| 3.) 1 milliliter in a Liter _____ | 9.) 500 ml = _____ Liter |
| 4.) 1 Liter in a Kiloliter _____ | 10.) 2,500 ml = _____ Liters |
- 5.) 1 Liter is about the size of a _____ in the customary measurement system.
- 6.) A can of soda is this many milliliters _____ (or about a third of 1 Liter).

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|------------------------------|
| 1.) Milliliters (ml) in a Liter (L) _____ | 7.) 3,000 ml = _____ Liters |
| 2.) Liters (L) in a Kiloliter (KL) _____ | 8.) 4 KL = _____ Liters |
| 3.) 1 milliliter in a Liter _____ | 9.) 500 ml = _____ Liter |
| 4.) 1 Liter in a Kiloliter _____ | 10.) 2,500 ml = _____ Liters |
- 5.) 1 Liter is about the size of a _____ in the customary measurement system.
- 6.) A can of soda is this many milliliters _____ (or about a third of 1 Liter).

Name: _____

Daily Math 5 minute Review on Measurement

- | | |
|---|------------------------------|
| 1.) Milliliters (ml) in a Liter (L) _____ | 7.) 3,000 ml = _____ Liters |
| 2.) Liters (L) in a Kiloliter (KL) _____ | 8.) 4 KL = _____ Liters |
| 3.) 1 milliliter in a Liter _____ | 9.) 500 ml = _____ Liter |
| 4.) 1 Liter in a Kiloliter _____ | 10.) 2,500 ml = _____ Liters |
- 5.) 1 Liter is about the size of a _____ in the customary measurement system.
- 6.) A can of soda is this many milliliters _____ (or about a third of 1 Liter).

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) _____
- 2.) Liters (L) in a Kiloliter (KL) _____
- 3.) 1 milliliter in a Liter _____
- 4.) 1 Liter in a Kiloliter _____
- 5.) 1 Liter is about the size of a _____ in the customary measurement system.
- 6.) A can of soda is this many milliliters _____ (or about a third of 1 Liter).
- 7.) 8,000 ml = _____ Liters
- 8.) 7 KL = _____ Liters
- 9.) 333 ml = _____ Liter
- 10.) 4,500 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) _____
- 2.) Liters (L) in a Kiloliter (KL) _____
- 3.) 1 milliliter in a Liter _____
- 4.) 1 Liter in a Kiloliter _____
- 5.) 1 Liter is about the size of a _____ in the customary measurement system.
- 6.) A can of soda is this many milliliters _____ (or about a third of 1 Liter).
- 7.) 8,000 ml = _____ Liters
- 8.) 7 KL = _____ Liters
- 9.) 333 ml = _____ Liter
- 10.) 4,500 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) _____
- 2.) Liters (L) in a Kiloliter (KL) _____
- 3.) 1 milliliter in a Liter _____
- 4.) 1 Liter in a Kiloliter _____
- 5.) 1 Liter is about the size of a _____ in the customary measurement system.
- 6.) A can of soda is this many milliliters _____ (or about a third of 1 Liter).
- 7.) 8,000 ml = _____ Liters
- 8.) 7 KL = _____ Liters
- 9.) 333 ml = _____ Liter
- 10.) 4,500 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) _____
- 2.) Liters (L) in a Kiloliter (KL) _____
- 3.) 4,000 L = _____ KL
- 4.) _____ ml = 3.75 L
- 5.) A can of soda is this many milliliters _____ (or about a third of 1 Liter).
- 6.) Paul and Jose each drink a can of soda. How many total milliliters is this? _____
- 7.) 9,500 ml = _____ Liters
- 8.) 10 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) _____
- 2.) Liters (L) in a Kiloliter (KL) _____
- 3.) 4,000 L = _____ KL
- 4.) _____ ml = 3.75 L
- 5.) A can of soda is this many milliliters _____ (or about a third of 1 Liter).
- 6.) Paul and Jose each drink a can of soda. How many total milliliters is this? _____
- 7.) 9,500 ml = _____ Liters
- 8.) 10 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) _____
- 2.) Liters (L) in a Kiloliter (KL) _____
- 3.) 4,000 L = _____ KL
- 4.) _____ ml = 3.75 L
- 5.) A can of soda is this many milliliters _____ (or about a third of 1 Liter).
- 6.) Paul and Jose each drink a can of soda. How many total milliliters is this? _____
- 7.) 9,500 ml = _____ Liters
- 8.) 10 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) _____
- 2.) Liters (L) in a Kiloliter (KL) _____
- 3.) _____ L = 3.45 KL
- 4.) _____ ml = 9.010 L
- 5.) 1 gallon of gas is exactly 4 quarts. About how many Liters in one gallon of gas? _____
- 6.) Paul and Jose each drink a can of soda. How many total milliliters is this? _____
- 7.) 2,500 ml = _____ Liters
- 8.) 20 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) _____
- 2.) Liters (L) in a Kiloliter (KL) _____
- 3.) _____ L = 3.45 KL
- 4.) _____ ml = 9.010 L
- 5.) 1 gallon of gas is exactly 4 quarts. About how many Liters in one gallon of gas? _____
- 6.) Paul and Jose each drink a can of soda. How many total milliliters is this? _____
- 7.) 2,500 ml = _____ Liters
- 8.) 20 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) _____
- 2.) Liters (L) in a Kiloliter (KL) _____
- 3.) _____ L = 3.45 KL
- 4.) _____ ml = 9.010 L
- 5.) 1 gallon of gas is exactly 4 quarts. About how many Liters in one gallon of gas? _____
- 6.) Paul and Jose each drink a can of soda. How many total milliliters is this? _____
- 7.) 2,500 ml = _____ Liters
- 8.) 20 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 4.5 KL = _____ L
- 2.) 3.5 L = _____ ml
- 3.) _____ L = 4.752 KL
- 4.) _____ ml = 10.5 L
- 5.) 1 gallon of gas is exactly 4 quarts. About how many Liters in two gallons of gas? _____
- 6.) Joe, Maria and Bill drink each drink a can of soda. How many total milliliters is this? _____
- 7.) 4,500 ml = _____ Liters
- 8.) 50 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 4.5 KL = _____ L
- 2.) 3.5 L = _____ ml
- 3.) _____ L = 4.752 KL
- 4.) _____ ml = 10.5 L
- 5.) 1 gallon of gas is exactly 4 quarts. About how many Liters in two gallons of gas? _____
- 6.) Joe, Maria and Bill drink each drink a can of soda. How many total milliliters is this? _____
- 7.) 4,500 ml = _____ Liters
- 8.) 50 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 4.5 KL = _____ L
- 2.) 3.5 L = _____ ml
- 3.) _____ L = 4.752 KL
- 4.) _____ ml = 10.5 L
- 5.) 1 gallon of gas is exactly 4 quarts. About how many Liters in two gallons of gas? _____
- 6.) Joe, Maria and Bill drink each drink a can of soda. How many total milliliters is this? _____
- 7.) 4,500 ml = _____ Liters
- 8.) 50 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 1.5 KL = _____ L
- 2.) 0.5 L = _____ ml
- 3.) _____ L = 0.5 KL
- 4.) _____ ml = 1.5 L
- 5.) It takes 40 gallons of water to fill a bathtub. About how many Liters of water is this? _____
- 6.) A **six** pack of Mt Dew is purchased. About how many total milliliters or Liters is this? _____
- 7.) 6,500 ml = _____ Liters
- 8.) 20 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 250 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 1.5 KL = _____ L
- 2.) 0.5 L = _____ ml
- 3.) _____ L = 0.5 KL
- 4.) _____ ml = 1.5 L
- 5.) It takes 40 gallons of water to fill a bathtub. About how many Liters of water is this? _____
- 6.) A **six** pack of Mt Dew is purchased. About how many total milliliters or Liters is this? _____
- 7.) 6,500 ml = _____ Liters
- 8.) 20 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 250 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 1.5 KL = _____ L
- 2.) 0.5 L = _____ ml
- 3.) _____ L = 0.5 KL
- 4.) _____ ml = 1.5 L
- 5.) It takes 40 gallons of water to fill a bathtub. About how many Liters of water is this? _____
- 6.) A **six** pack of Mt Dew is purchased. About how many total milliliters or Liters is this? _____
- 7.) 6,500 ml = _____ Liters
- 8.) 20 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 250 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 2.5 KL = _____ L
- 2.) 0.5 L = _____ ml
- 3.) _____ L = 0.5 KL
- 4.) _____ ml = 8.5 L
- 5.) It takes 40 gallons of water to fill a bathtub. About how many Liters of water is this? _____
- 6.) A **six** pack of Coca-Cola is purchased. About how many total milliliters or Liters is this? _____
- 7.) 3,250 ml = _____ Liters
- 8.) 50 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 2.5 KL = _____ L
- 2.) 0.5 L = _____ ml
- 3.) _____ L = 0.5 KL
- 4.) _____ ml = 8.5 L
- 5.) It takes 40 gallons of water to fill a bathtub. About how many Liters of water is this? _____
- 6.) A **six** pack of Coca-Cola is purchased. About how many total milliliters or Liters is this? _____
- 7.) 3,250 ml = _____ Liters
- 8.) 50 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 2.5 KL = _____ L
- 2.) 0.5 L = _____ ml
- 3.) _____ L = 0.5 KL
- 4.) _____ ml = 8.5 L
- 5.) It takes 40 gallons of water to fill a bathtub. About how many Liters of water is this? _____
- 6.) A **six** pack of Coca-Cola is purchased. About how many total milliliters or Liters is this? _____
- 7.) 3,250 ml = _____ Liters
- 8.) 50 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 8.5 KL = _____ L
- 2.) 0.5 L = _____ ml
- 3.) _____ L = 0.5 KL
- 4.) _____ ml = 6.25 L
- 5.) A water tower's capacity will be measured in what units? a.) Liters b.) Kiloliters c.) Milliliters
- 6.) A **six** pack of Dr. Pepper is purchased. About how many total Liters is this? _____ Liters
- 7.) 3,500 ml = _____ Liters
- 8.) 25 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 580 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 8.5 KL = _____ L
- 2.) 0.5 L = _____ ml
- 3.) _____ L = 0.5 KL
- 4.) _____ ml = 6.25 L
- 5.) A water tower's capacity will be measured in what units? a.) Liters b.) Kiloliters c.) Milliliters
- 6.) A **six** pack of Dr. Pepper is purchased. About how many total Liters is this? _____ Liters
- 7.) 3,500 ml = _____ Liters
- 8.) 25 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 580 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 8.5 KL = _____ L
- 2.) 0.5 L = _____ ml
- 3.) _____ L = 0.5 KL
- 4.) _____ ml = 6.25 L
- 5.) A water tower's capacity will be measured in what units? a.) Liters b.) Kiloliters c.) Milliliters
- 6.) A **six** pack of Dr. Pepper is purchased. About how many total Liters is this? _____ Liters
- 7.) 3,500 ml = _____ Liters
- 8.) 25 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 580 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 3.5 KL = _____ L
- 2.) 0.5 L = _____ ml
- 3.) _____ L = 0.5 KL
- 4.) _____ ml = 8.5 L
- 5.) A bathtub's capacity will be measured in what units? a.) Liters b.) Kiloliters c.) Milliliters
- 6.) 3 cans of soda are drank. About how many total milliliters is this? _____ milliliters
- 7.) 5,500 ml = _____ Liters
- 8.) 15 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 3.5 KL = _____ L
- 2.) 0.5 L = _____ ml
- 3.) _____ L = 0.5 KL
- 4.) _____ ml = 8.5 L
- 5.) A bathtub's capacity will be measured in what units? a.) Liters b.) Kiloliters c.) Milliliters
- 6.) 3 cans of soda are drank. About how many total milliliters is this? _____ milliliters
- 7.) 5,500 ml = _____ Liters
- 8.) 15 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) 3.5 KL = _____ L
- 2.) 0.5 L = _____ ml
- 3.) _____ L = 0.5 KL
- 4.) _____ ml = 8.5 L
- 5.) A bathtub's capacity will be measured in what units? a.) Liters b.) Kiloliters c.) Milliliters
- 6.) 3 cans of soda are drank. About how many total milliliters is this? _____ milliliters
- 7.) 5,500 ml = _____ Liters
- 8.) 15 KL = _____ Liters
- 9.) 333 ml = _____ Liters
- 10.) 750 ml = _____ Liters

Answer Key

Measurement

Metric – Capacity

4th through 8th Grades

**10 Day Unit
of 60 Day Measurement Program**

5 – 10 Minutes Per Day

Metric Units – Capacity – ANSWER KEY

Metric Units – Capacity Name: Answer Key - Day 41

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) 1,000
- 2.) Liters (L) in a Kiloliter (KL) 1,000
- 3.) 1 milliliter in a Liter 1/1,000
- 4.) 1 Liter in a Kiloliter 1/1,000
- 5.) 1 Liter is about the size of a 1 quart (32 ounces) in the customary measurement system.
- 6.) A can of soda is this many milliliters 333 ml or 1/3 Liter (or about a third of 1 Liter).
- 7.) 2,000 ml = 2 Liters
- 8.) 5 KL = 5,000 Liters
- 9.) 500 ml = 0.5 or 1/2 Liter
- 10.) 1,500 ml = 1.5 or 1 1/2 Liters

Metric Units – Capacity Name: Answer Key - Day 42

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) 1,000
- 2.) Liters (L) in a Kiloliter (KL) 1,000
- 3.) 1 milliliter in a Liter 1/1,000
- 4.) 1 Liter in a Kiloliter 1/1,000
- 5.) 1 Liter is about the size of a 1 quart (32 ounces) in the customary measurement system.
- 6.) A can of soda is this many milliliters 333 ml or 0.333 Liter (or about a third of 1 Liter).
- 7.) 3,000 ml = 3 Liters
- 8.) 4 KL = 4,000 Liters
- 9.) 500 ml = 0.5 or 1/2 Liter
- 10.) 2,500 ml = 2.5 or 2 1/2 Liters

Metric Units – Capacity Name: Answer Key - Day 43

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) 1,000
- 2.) Liters (L) in a Kiloliter (KL) 1,000
- 3.) 1 milliliter in a Liter 1/1,000
- 4.) 1 Liter in a Kiloliter 1/1,000
- 5.) 1 Liter is about the size of a 1 quart (32 ounces) in the customary measurement system.
- 6.) A can of soda is this many milliliters 333 ml or 0.333 Liter (or about a third of 1 Liter).
- 7.) 8,000 ml = 8 Liters
- 8.) 7 KL = 7,000 Liters
- 9.) 333 ml = 0.333 or 1/3 Liter
- 10.) 4,500 ml = 4.5 or 4 1/2 Liters

Metric Units – Capacity – ANSWER KEY

Metric Units – Capacity Name: Answer Key - Day 44

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) 1,000
- 2.) Liters (L) in a Kiloliter (KL) 1,000
- 3.) 4,000 L = 4 KL
- 4.) 3,750 ml = 3.75 L
- 5.) A can of soda is this many milliliters 333 ml (or about a third of 1 Liter).
- 6.) Paul and Jose each drink a can of soda. How many total milliliters is this? 666 ml
- 7.) 9,500 ml = 9.5 Liters
- 8.) 10 KL = 10,000 Liters
- 9.) 333 ml = 0.333 Liters
- 10.) 750 ml = 0.750 Liters

Metric Units – Capacity Name: Answer Key - Day 45

Daily Math 5 minute Review on Measurement

- 1.) Milliliters (ml) in a Liter (L) 1,000
- 2.) Liters (L) in a Kiloliter (KL) 1,000
- 3.) 3,450 L = 3.45 KL
- 4.) 9,010 ml = 9.010 L
- 5.) 1 gallon of gas is exactly 4 quarts. About how many Liters in one gallon of gas? 4 Liters
- 6.) Paul and Jose each drink a can of soda. How many total milliliters is this? 666 ml
- 7.) 2,500 ml = 2.5 Liters
- 8.) 20 KL = 20,000 Liters
- 9.) 333 ml = 0.333 Liters
- 10.) 750 ml = 0.750 Liters

Metric Units – Capacity Name: Answer Key - Day 46

Daily Math 5 minute Review on Measurement

- 1.) 4.5 KL = 4,500 L
- 2.) 3.5 L = 3,500 ml
- 3.) 4,752 L = 4.752 KL
- 4.) 10,500 ml = 10.5 L
- 5.) 1 gallon of gas is exactly 4 quarts. About how many Liters in two gallons of gas? 2 x 4 = 8 L
- 6.) Joe, Maria and Bill drink each drink a can of soda. How many total milliliters is this? 1,000 ml
- 7.) 4,500 ml = 4.5 Liters
- 8.) 50 KL = 50,000 Liters
- 9.) 333 ml = 0.333 Liters
- 10.) 750 ml = 0.750 Liters

Metric Units – Capacity – ANSWER KEY

Metric Units – Capacity Name: Answer Key - Day 47

Daily Math 5 minute Review on Measurement

- 1.) 1.5 KL = 1,500 L
- 2.) 0.5 L = 500 ml
- 3.) 500 L = 0.5 KL
- 4.) 1,500 ml = 1.5 L
- 5.) It takes 40 gallons of water to fill a bathtub. About how many Liters of water is this? $40 \times 4 = 160$ L
- 6.) A **six** pack of Mt Dew is purchased. About how many total milliliters or Liters is this? 2 L
- 7.) 6,500 ml = 6.5 or 6 1/2 Liters
- 8.) 20 KL = 20,000 Liters
- 9.) 333 ml = 0.333 Liters
- 10.) 250 ml = 0.250 Liters

Metric Units – Capacity Name: Answer Key - Day 48

Daily Math 5 minute Review on Measurement

- 1.) 2.5 KL = 2,500 L
- 2.) 0.5 L = 500 ml
- 3.) 500 L = 0.5 KL
- 4.) 8,500 ml = 8.5 L
- 5.) It takes 40 gallons of water to fill a bathtub. About how many Liters of water is this? $40 \times 4 = 160$ L
- 6.) A **six** pack of Coca-Cola is purchased. About how many total milliliters or Liters is this? 2 L
- 7.) 3,250 ml = 3.250 Liters
- 8.) 50 KL = 50,000 Liters
- 9.) 333 ml = 0.333 Liters
- 10.) 750 ml = 0.750 Liters

Metric Units – Capacity Name: Answer Key - Day 49

Daily Math 5 minute Review on Measurement

- 1.) 8.5 KL = 2,500 L
- 2.) 0.5 L = 500 ml
- 3.) 500 L = 0.5 KL
- 4.) 6,250 ml = 6.25 L
- 5.) A water tower's capacity will be measured in what units? a.) Liters **b.) Kiloliters** c.) Milliliters
- 6.) A **six** pack of Dr. Pepper is purchased. About how many total Liters is this? 2 L Liters
- 7.) 3,500 ml = 3.500 Liters
- 8.) 25 KL = 25,000 Liters
- 9.) 333 ml = 0.333 Liters
- 10.) 580 ml = 0.580 Liters

Metric Units – Capacity – ANSWER KEY

Metric Units – Capacity Name: **Answer Key - Day 50**

Daily Math 5 minute Review on Measurement

- 1.) 3.5 KL = 3,500 L
- 2.) 0.5 L = 500 ml
- 3.) 500 L = 0.5 KL
- 4.) 8,500 ml = 8.5 L
- 5.) A bathtub's capacity will be measured in what units? **a.) Liters** b.) Kiloliters c.) Milliliters
- 6.) 3 cans of soda are drank. About how many total milliliters is this? 1,000 milliliters
- 7.) 5,500 ml = 5.5 Liters
- 8.) 15 KL = 15,000 Liters
- 9.) 333 ml = 0.333 Liters
- 10.) 750 ml = 0.750 Liters

Measurement

Metric – Mass

4th through 8th Grades

**10 Day Unit
of 60 Day Measurement Program**

5 – 10 Minutes Per Day

Metric Measurement – Mass Section

4th - 8th Grade Five-Minute Daily Measurement Warm-Ups

This 10 day program (per section) is intended to provide basic skill levels in converting and understanding magnitudes in the following measurement areas/sections:

- 1.) Customary Measurement (Length): inches, feet, yards and miles.
- 2.) Customary Measurement (Capacity – Volume): ounces, cups, pints, quarts and gallons.
- 3.) Customary Measurement (Weight): ounces (dry), pounds and tons.
- 4.) Metric Measurement (Length): millimeters (mm), centimeters (cm), meters (m) and kilometers (km)
- 5.) Metric Measurement (Capacity): milliliters (ml), Liters (L) and Kiloliters (kl)
- 6.) **Metric Measurement (Mass): milligram (mg), grams (g) and kilograms (kg)**

The warm-ups are designed so the children can readily pick them up as they enter the classroom or the warm-ups are distributed normally through classroom procedures. The teacher must make minimal copies, since the sheets may be separated into 3 student sheets per page. Hence, with 24 students – only 8 Xerox copies need to be made for an entire classroom. An answer key is provided at the end of the packet.

Section 6.) Metric Measurement (Mass): milligram (mg), grams (g) and kilograms (kg) are included in this instructional packet.

Metric Measurements in mass are challenging for many 5th – 8th graders due to their unfamiliarity of magnitudes on the mass of a milligrams, grams and Kilograms. Consequently, in order to ingrain the mass of these units, the student should will need to become adept at approximate masses of familiar objects. The math and movement of the decimal point in metric makes the conversion between equivalent metric units fairly straight forward; however, the student should be instructed to ask herself/himself after each conversion to evaluate the reasonableness of their solution. Using the relative guidelines of known objects summarized in the next paragraph should make this much easier for every student. However, the more the students use a triple beam balance to compute the mass of various objects, the more adept they will become visualizing and estimating the relative magnitudes of metric mass units.

It is recommended that the teacher use visual aides to assist students (a kilogram mass) to assist them in visualizing the magnitude or mass of 1 kg, and repetitively requiring students to understand that there are 1,000 grams in 1 Kilogram and so forth. Also, the teacher should use a factor of two (2) to estimate the mass of an object in Kilograms from the weight in pounds. Example: If a person weighs 200 pounds, they possess an approximate mass of about 100 Kilograms. In order for the student to better understand grams, it is also recommended the teacher use a United States nickel as a standard. A United States nickel has a mass of exactly 5.000 grams. Hence, 5 cents and 5.000 grams...very easy to remember for a young student. So if a pencil seems to feel about the weight/mass of 4 nickels, then its mass is about (4 x 5.000) or 20 grams. (FYI for teacher knowledge only: 1 kilogram = 2.2 pounds or 454 grams = 1 pound)

When students struggle with certain problem types in the daily warm-ups, it is a clear indication that the students need more practice with that concept, not less. It is advisable for the teacher to present quick practice examples in math class or during transition periods until students master that concept or problem type. Much practice will be required for mastery in metric measurement since the students are not as familiar with these units of measure in this country...even though it is much easier to convert between equivalent metric units than customary.

It is also recommended to use these short daily measurements in conjunction with a Space Repetition System classroom instructional methodology

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Grams in a Kilogram = _____
- 2.) Milligrams in a Gram = _____
- 3.) 1 Gram = _____ Kilogram
- 4.) 1 Milligram = _____ Gram
- 5.) About what is your body **weight** in **pounds**? _____
- 6.) Divide your **body weight** by **2** and your **body mass** is **about** _____ **kilograms**?
- 7.) 2 kilograms = _____ grams
- 8.) 3,000 grams = _____ Kilograms
- 9.) 5,000 milligrams = _____ grams
- 10.) $\frac{1}{2}$ kilogram = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Grams in a Kilogram = _____
- 2.) Milligrams in a Gram = _____
- 3.) 1 Gram = _____ Kilogram
- 4.) 1 Milligram = _____ Gram
- 5.) About what is your body **weight** in **pounds**? _____
- 6.) Divide your **body weight** by **2** and your **body mass** is **about** _____ **kilograms**?
- 7.) 2 kilograms = _____ grams
- 8.) 3,000 grams = _____ Kilograms
- 9.) 5,000 milligrams = _____ grams
- 10.) $\frac{1}{2}$ kilogram = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) Grams in a Kilogram = _____
- 2.) Milligrams in a Gram = _____
- 3.) 1 Gram = _____ Kilogram
- 4.) 1 Milligram = _____ Gram
- 5.) About what is your body **weight** in **pounds**? _____
- 6.) Divide your **body weight** by **2** and your **body mass** is **about** _____ **kilograms**?
- 7.) 2 kilograms = _____ grams
- 8.) 3,000 grams = _____ Kilograms
- 9.) 5,000 milligrams = _____ grams
- 10.) $\frac{1}{2}$ kilogram = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 1 gram = _____ kilogram
- 4.) 1 milligram = _____ gram
- 5.) About what is your **body weight** in **pounds**? _____
- 6.) Divide your **body weight** by **2** and your **body mass** is **about** _____ **kilograms**?
- 7.) 3 Kilograms = _____ grams
- 8.) 6,000 grams = _____ Kilograms
- 9.) 3,000 milligrams = _____ grams
- 10.) $\frac{1}{2}$ kilogram = _____ grams
- 11.) $1\frac{1}{2}$ kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 1 gram = _____ kilogram
- 4.) 1 milligram = _____ gram
- 5.) About what is your **body weight** in **pounds**? _____
- 6.) Divide your **body weight** by **2** and your **body mass** is **about** _____ **kilograms**?
- 7.) 3 Kilograms = _____ grams
- 8.) 6,000 grams = _____ Kilograms
- 9.) 3,000 milligrams = _____ grams
- 10.) $\frac{1}{2}$ kilogram = _____ grams
- 11.) $1\frac{1}{2}$ kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 1 gram = _____ kilogram
- 4.) 1 milligram = _____ gram
- 5.) About what is your **body weight** in **pounds**? _____
- 6.) Divide your **body weight** by **2** and your **body mass** is **about** _____ **kilograms**?
- 7.) 3 Kilograms = _____ grams
- 8.) 6,000 grams = _____ Kilograms
- 9.) 3,000 milligrams = _____ grams
- 10.) $\frac{1}{2}$ kilogram = _____ grams
- 11.) $1\frac{1}{2}$ kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 1 gram = _____ kilogram
- 4.) 1 milligram = _____ gram
- 5.) About what is the **weight** of your classroom chair in **pounds**? _____
- 6.) Divide the **weight** of your classroom chair by **2** and the chair's **mass** is **about** _____ kilograms.
- 7.) 5 Kilograms = _____ grams
- 8.) 10,000 grams = _____ Kilograms
- 9.) 3,000 milligrams = _____ grams
- 10.) 2 $\frac{1}{2}$ kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 1 gram = _____ kilogram
- 4.) 1 milligram = _____ gram
- 5.) About what is the **weight** of your classroom chair in **pounds**? _____
- 6.) Divide the **weight** of your classroom chair by **2** and the chair's **mass** is **about** _____ kilograms.
- 7.) 5 Kilograms = _____ grams
- 8.) 10,000 grams = _____ Kilograms
- 9.) 3,000 milligrams = _____ grams
- 10.) 2 $\frac{1}{2}$ kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 1 gram = _____ kilogram
- 4.) 1 milligram = _____ gram
- 5.) About what is the **weight** of your classroom chair in **pounds**? _____
- 6.) Divide the **weight** of your classroom chair by **2** and the chair's **mass** is **about** _____ kilograms.
- 7.) 5 Kilograms = _____ grams
- 8.) 10,000 grams = _____ Kilograms
- 9.) 3,000 milligrams = _____ grams
- 10.) 2 $\frac{1}{2}$ kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 2,000 grams = _____ kilograms
- 4.) 4,000 milligram = _____ grams
- 5.) About what is the **weight** of your classroom desk in **pounds**? _____
- 6.) Divide the **weight** of your classroom desk by **2** and the desk's **mass** is **about** _____ kilograms.
- 7.) 3.25 Kilograms = _____ grams
- 8.) 7,500 grams = _____ Kilograms
- 9.) 3,500 milligrams = _____ grams
- 10.) $4\frac{1}{2}$ or 4.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 2,000 grams = _____ kilograms
- 4.) 4,000 milligram = _____ grams
- 5.) About what is the **weight** of your classroom desk in **pounds**? _____
- 6.) Divide the **weight** of your classroom desk by **2** and the desk's **mass** is **about** _____ kilograms.
- 7.) 3.25 Kilograms = _____ grams
- 8.) 7,500 grams = _____ Kilograms
- 9.) 3,500 milligrams = _____ grams
- 10.) $4\frac{1}{2}$ or 4.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 2,000 grams = _____ kilograms
- 4.) 4,000 milligram = _____ grams
- 5.) About what is the **weight** of your classroom desk in **pounds**? _____
- 6.) Divide the **weight** of your classroom desk by **2** and the desk's **mass** is **about** _____ kilograms.
- 7.) 3.25 Kilograms = _____ grams
- 8.) 7,500 grams = _____ Kilograms
- 9.) 3,500 milligrams = _____ grams
- 10.) $4\frac{1}{2}$ or 4.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 4,500 grams = _____ kilograms
- 4.) 2,250 milligram = _____ grams
- 5.) What is the mass of your pencil in grams? _____
- 6.) What is the weight of your principal in pounds? _____ About what is their mass in _____ kilograms.
- 7.) 6.75 Kilograms = _____ grams
- 8.) 2,400 grams = _____ Kilograms
- 9.) 4,900 milligrams = _____ grams
- 10.) $2\frac{1}{2}$ or 2.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 4,500 grams = _____ kilograms
- 4.) 2,250 milligram = _____ grams
- 5.) What is the mass of your pencil in grams? _____
- 6.) What is the weight of your principal in pounds? _____ About what is their mass in _____ kilograms.
- 7.) 6.75 Kilograms = _____ grams
- 8.) 2,400 grams = _____ Kilograms
- 9.) 4,900 milligrams = _____ grams
- 10.) $2\frac{1}{2}$ or 2.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 4,500 grams = _____ kilograms
- 4.) 2,250 milligram = _____ grams
- 5.) What is the mass of your pencil in grams? _____
- 6.) What is the weight of your principal in pounds? _____ About what is their mass in _____ kilograms.
- 7.) 6.75 Kilograms = _____ grams
- 8.) 2,400 grams = _____ Kilograms
- 9.) 4,900 milligrams = _____ grams
- 10.) $2\frac{1}{2}$ or 2.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 4,396 grams = _____ kilograms
- 4.) 3,105 milligram = _____ grams
- 5.) What is the mass of a two paper clips in grams? _____
- 6.) About what is the weight of a car in pounds? _____ About what is the car's mass in kilograms? _____.
- 7.) 0.75 Kilograms = _____ grams (think)
- 8.) 1,110 grams = _____ Kilograms
- 9.) 4 grams = _____ milligrams
- 10.) $5\frac{1}{2}$ or 5.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 4,396 grams = _____ kilograms
- 4.) 3,105 milligram = _____ grams
- 5.) What is the mass of a two paper clips in grams? _____
- 6.) About what is the weight of a car in pounds? _____ About what is the car's mass in kilograms? _____.
- 7.) 0.75 Kilograms = _____ grams (think)
- 8.) 1,110 grams = _____ Kilograms
- 9.) 4 grams = _____ milligrams
- 10.) $5\frac{1}{2}$ or 5.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 4,396 grams = _____ kilograms
- 4.) 3,105 milligram = _____ grams
- 5.) What is the mass of a two paper clips in grams? _____
- 6.) About what is the weight of a car in pounds? _____ About what is the car's mass in kilograms? _____.
- 7.) 0.75 Kilograms = _____ grams (think)
- 8.) 1,110 grams = _____ Kilograms
- 9.) 4 grams = _____ milligrams
- 10.) $5\frac{1}{2}$ or 5.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 4.51 Kilograms = _____ grams
- 4.) 3,600 milligram = _____ grams
- 5.) What is the mass of the metal key that opens the classroom door in **grams**? _____
- 6.) About what is the **weight of a laptop computer in pounds**? _____
About what is this computer's mass in kilograms? _____.
- 7.) 0.5 Kilograms = _____ grams (think)
- 8.) 1,750 grams = _____ Kilograms
- 9.) 9 grams = _____ milligrams
- 10.) $7\frac{1}{2}$ or 7.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 4.51 Kilograms = _____ grams
- 4.) 3,600 milligram = _____ grams
- 5.) What is the mass of the metal key that opens the classroom door in **grams**? _____
- 6.) About what is the **weight of a laptop computer in pounds**? _____
About what is this computer's mass in kilograms? _____.
- 7.) 0.5 Kilograms = _____ grams (think)
- 8.) 1,750 grams = _____ Kilograms
- 9.) 9 grams = _____ milligrams
- 10.) $7\frac{1}{2}$ or 7.5 kilograms = _____ grams

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 4.51 Kilograms = _____ grams
- 4.) 3,600 milligram = _____ grams
- 5.) What is the mass of the metal key that opens the classroom door in **grams**? _____
- 6.) About what is the **weight of a laptop computer in pounds**? _____
About what is this computer's mass in kilograms? _____.
- 7.) 0.5 Kilograms = _____ grams (think)
- 8.) 1,750 grams = _____ Kilograms
- 9.) 9 grams = _____ milligrams
- 10.) $7\frac{1}{2}$ or 7.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 1.9 Kilograms = _____ grams
- 4.) 8,580 milligram = _____ grams
- 5.) What is the mass of a pencil in **grams**? _____
- 6.) About what is your body **weight in pounds**? _____
About what is your body's **mass** in kilograms? _____.
- 7.) 0.25 Kilograms = _____ grams (think)
- 8.) 5,000 grams = _____ Kilograms
- 9.) 9.5 grams = _____ milligrams
- 10.) $3\frac{1}{2}$ or 3.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 1.9 Kilograms = _____ grams
- 4.) 8,580 milligram = _____ grams
- 5.) What is the mass of a pencil in **grams**? _____
- 6.) About what is your body **weight in pounds**? _____
About what is your body's **mass** in kilograms? _____.
- 7.) 0.25 Kilograms = _____ grams (think)
- 8.) 5,000 grams = _____ Kilograms
- 9.) 9.5 grams = _____ milligrams
- 10.) $3\frac{1}{2}$ or 3.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = _____
- 2.) milligrams in a Gram = _____
- 3.) 1.9 Kilograms = _____ grams
- 4.) 8,580 milligram = _____ grams
- 5.) What is the mass of a pencil in **grams**? _____
- 6.) About what is your body **weight in pounds**? _____
About what is your body's **mass** in kilograms? _____.
- 7.) 0.25 Kilograms = _____ grams (think)
- 8.) 5,000 grams = _____ Kilograms
- 9.) 9.5 grams = _____ milligrams
- 10.) $3\frac{1}{2}$ or 3.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) _____ grams = 12 Kilograms
- 2.) 900 milligrams = _____ grams (think)
- 3.) 8.9 Kilograms = _____ grams
- 4.) 8,300 milligram = _____ grams
- 5.) What is the mass of a 5 cent nickel in grams? _____
- 6.) About what is your body weight in pounds? _____
About what is your body's mass in kilograms? _____.
- 7.) 0.9 Kilograms = _____ grams (think)
- 8.) 9,000 grams = _____ Kilograms
- 9.) 9.1 grams = _____ milligrams
- 10.) $9\frac{1}{2}$ or 9.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) _____ grams = 12 Kilograms
- 2.) 900 milligrams = _____ grams (think)
- 3.) 8.9 Kilograms = _____ grams
- 4.) 8,300 milligram = _____ grams
- 5.) What is the mass of a 5 cent nickel in grams? _____
- 6.) About what is your body weight in pounds? _____
About what is your body's mass in kilograms? _____.
- 7.) 0.9 Kilograms = _____ grams (think)
- 8.) 9,000 grams = _____ Kilograms
- 9.) 9.1 grams = _____ milligrams
- 10.) $9\frac{1}{2}$ or 9.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) _____ grams = 12 Kilograms
- 2.) 900 milligrams = _____ grams (think)
- 3.) 8.9 Kilograms = _____ grams
- 4.) 8,300 milligram = _____ grams
- 5.) What is the mass of a 5 cent nickel in grams? _____
- 6.) About what is your body weight in pounds? _____
About what is your body's mass in kilograms? _____.
- 7.) 0.9 Kilograms = _____ grams (think)
- 8.) 9,000 grams = _____ Kilograms
- 9.) 9.1 grams = _____ milligrams
- 10.) $9\frac{1}{2}$ or 9.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) _____ grams = 3.2 Kilograms
- 2.) 300 milligrams = _____ Grams (think)
- 3.) 8.9 Kilograms = _____ grams
- 4.) 7,500 milligram = _____ grams
- 5.) What is the mass of a 5 cent nickel in grams? _____
- 6.) About what is the weight of a car in pounds? _____
About what is the mass of the car in kilograms? _____.
- 7.) 0.2 Kilograms = _____ grams (think)
- 8.) 2,000 grams = _____ Kilograms
- 9.) 2.1 grams = _____ milligrams
- 10.) $2\frac{1}{2}$ or 2.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) _____ grams = 3.2 Kilograms
- 2.) 300 milligrams = _____ Grams (think)
- 3.) 8.9 Kilograms = _____ grams
- 4.) 7,500 milligram = _____ grams
- 5.) What is the mass of a 5 cent nickel in grams? _____
- 6.) About what is the weight of a car in pounds? _____
About what is the mass of the car in kilograms? _____.
- 7.) 0.2 Kilograms = _____ grams (think)
- 8.) 2,000 grams = _____ Kilograms
- 9.) 2.1 grams = _____ milligrams
- 10.) $2\frac{1}{2}$ or 2.5 kilograms = _____ grams

Name: _____

Daily Math 5 minute Review on Measurement

- 1.) _____ grams = 3.2 Kilograms
- 2.) 300 milligrams = _____ Grams (think)
- 3.) 8.9 Kilograms = _____ grams
- 4.) 7,500 milligram = _____ grams
- 5.) What is the mass of a 5 cent nickel in grams? _____
- 6.) About what is the weight of a car in pounds? _____
About what is the mass of the car in kilograms? _____.
- 7.) 0.2 Kilograms = _____ grams (think)
- 8.) 2,000 grams = _____ Kilograms
- 9.) 2.1 grams = _____ milligrams
- 10.) $2\frac{1}{2}$ or 2.5 kilograms = _____ grams

Answer Key

Measurement

Metric – Mass

4th through 8th Grades

**10 Day Unit
of 60 Day Measurement Program**

5 – 10 Minutes Per Day

Metric Units – Mass – ANSWER KEY

Metric Units – Mass Name: Answer Key - Day 51

Daily Math 5 minute Review on Measurement

- 1.) Grams in a Kilogram = 1,000
- 2.) Milligrams in a Gram = 1,000
- 3.) 1 Gram = 1/1,000 Kilogram
- 4.) 1 Milligram = 1/1,000 Gram
- 5.) About what is your **body weight** in **pounds**? varies (Ex. 100 pounds) relates a known weight for a student to a magnitude in kilograms. (2 pounds is about 1 kilogram)
- 6.) Divide your **body weight** by **2** and your **body mass** is **about** varies – (50) kilograms?
- 7.) 2 kilograms = 2,000 grams
- 8.) 3,000 grams = 3 Kilograms
- 9.) 5,000 milligrams = 5 grams
- 10.) $\frac{1}{2}$ kilogram = 500 grams

Metric Units – Mass Name: Answer Key - Day 52

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = 1,000
- 2.) milligrams in a Gram = 1,000
- 3.) 1 gram = 1/1,000 kilogram
- 4.) 1 milligram = 1/1,000 gram
- 5.) About what is your body **weight** in **pounds**? varies
- 6.) Divide your **body weight** by **2** and your **body mass** is **about** varies kilograms?
- 7.) 3 Kilograms = 3,000 grams
- 8.) 6,000 grams = 6 Kilograms
- 9.) 3,000 milligrams = 3 grams
- 10.) $\frac{1}{2}$ kilogram = 500 grams
- 11.) $1\frac{1}{2}$ kilograms = 1,500 grams

Metric Units – Mass Name: Answer Key - Day 53

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = 1,000
- 2.) milligrams in a Gram = 1,000
- 3.) 1 gram = 1/1,000 kilogram
- 4.) 1 milligram = 1/1,000 gram
- 5.) About what is the **weight** of your classroom chair in **pounds**? varies
- 7.) 5 Kilograms = 5,000 grams
- 8.) 10,000 grams = 10 Kilograms
- 9.) 3,000 milligrams = 3 grams
- 10.) $2\frac{1}{2}$ kilograms = 2.5 grams

Metric Units – Mass – ANSWER KEY

- 6.) Divide the weight of your classroom chair by 2 and the chair's mass is about varies kilograms.

Metric Units – Mass Name: Answer Key - Day 54

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = 1,000
- 2.) milligrams in a Gram = 1,000
- 3.) 2,000 grams = 2 kilograms
- 4.) 4,000 milligram = 4 grams
- 5.) About what is the weight of your classroom desk in pounds? varies (24 pounds)
- 6.) Divide the weight of your classroom desk by 2 and the desk's mass is about varies - 12 kilograms.
- 7.) 3.25 Kilograms = 3,250 grams
- 8.) 7,500 grams = 7.5 Kilograms
- 9.) 3,500 milligrams = 3.5 grams
- 10.) 4 1/2 or 4.5 kilograms = 4,500 grams

Metric Units – Mass Name: Answer Key - Day 55

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = 1,000
- 2.) milligrams in a Gram = 1,000
- 3.) 4,500 grams = 4.5 kilograms
- 4.) 2,250 milligram = 2.250 grams
- 5.) What is the mass of your pencil in grams? varies 3 or 4 nickels??? Hence, 15 or 20 grams.
- 6.) What is the weight of your principal in pounds? varies About what is their mass in varies kilograms.
- 7.) 6.75 Kilograms = 6,750 grams
- 8.) 2,400 grams = 2.400 Kilograms
- 9.) 4,900 milligrams = 4.900 grams
- 10.) 2 1/2 or 2.5 kilograms = 2,500 grams

Metric Units – Mass Name: Answer Key - Day 56

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = 1,000
- 2.) milligrams in a Gram = 1,000
- 3.) 4,396 grams = 4.396 kilograms
- 4.) 3,105 milligram = 3.105 grams
- 5.) What is the mass of a 3 paper clips in grams? varies (approximately 2 nickels = 10 grams)
- 7.) 0.75 Kilograms = 0.750 grams (think)
- 8.) 1,110 grams = 1.110 Kilograms
- 9.) 4 grams = 4,000 milligrams
- 10.) 5 1/2 or 5.5 kilograms = 5,500 grams

Metric Units – Mass – ANSWER KEY

- 6.) About what is the weight of a car in pounds? **3,000** About what is the car's mass in kilograms? **1,500**.

Metric Units – Mass Name: Answer Key - Day 57

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = **1,000**
- 2.) milligrams in a Gram = **1,000**
- 3.) 4.51 Kilograms = **4,510** grams
- 4.) 3,600 milligram = **3.6** grams
- 5.) What is the mass of the metal key that opens the classroom door in grams? **varies (6 to 9 grams)**
- 6.) About what is the weight of a laptop computer in pounds? **5 to 10 pounds on average**
About what is this computer's mass in kilograms? **2.5 to 5 kg**.
- 7.) 0.5 Kilograms = **500** grams (think)
- 8.) 1,750 grams = **1.75** Kilograms
- 9.) 9 grams = **9,000** milligrams
- 10.) 7 1/2 or 7.5 kilograms = **7,500** grams

Metric Units – Mass Name: Answer Key - Day 58

Daily Math 5 minute Review on Measurement

- 1.) grams in a Kilogram = **1,000**
- 2.) milligrams in a Gram = **1,000**
- 3.) 1.9 Kilograms = **1,900** grams
- 4.) 8,580 milligram = **8.58** grams
- 5.) What is the mass of a pencil in grams? **varies – between 5 and 15 grams**
- 6.) About what is your body weight in pounds? **varies – Example: 120 pounds**
- 7.) About what is your body's mass in kilograms? **varies – Example: 60 Kilos**
- 7.) 0.25 Kilograms = **250** grams (think)
- 8.) 5,000 grams = **5** Kilograms
- 9.) 9.5 grams = **9,500** milligrams
- 10.) 3 1/2 or 3.5 kilograms = **3,500** grams

Metric Units – Mass Name: Answer Key - Day 59

Daily Math 5 minute Review on Measurement

- 1.) **12,000** grams = 12 Kilogram
- 2.) 900 milligrams = **0.9** Gram (think)
- 3.) 8.9 Kilograms = **8,900** grams
- 4.) 8,300 milligram = **8.3** grams
- 5.) What is the mass of a 5 cent nickel in grams? **5.000 grams exactly**
- 6.) About what is your body weight in pounds? **varies – Example: 120 pounds**
- 7.) 0.9 Kilograms = **900** grams (think)
- 8.) 9,000 grams = **9** Kilograms
- 9.) 9.1 grams = **9,100** milligrams
- 10.) 9 1/2 or 9.5 kilograms = **9,500** grams

Metric Units – Mass – ANSWER KEY

About what is your body's mass in kilograms? _ **varies – Example: 60 Kilos** _

Metric Units – Mass Name: **Answer Key - Day 60**

Daily Math 5 minute Review on Measurement

- 1.) **3,200** grams = 3.2 Kilograms
- 2.) 300 milligrams = **0.3** Grams (think)
- 3.) 8.9 Kilograms = **8,900** grams
- 4.) 7,500 milligram = **7.5** grams
- 5.) What is the mass of a 5 cent nickel in grams? _ **5.000 grams exactly** _
- 6.) About what is the weight of a car in pounds? _ **Varies...but about 3,000 pounds** _
About what is the mass of the car in kilograms? _ **Varies...but about 1,500 Kilograms.**
- 7.) 0.2 Kilograms = **200** grams (think)
- 8.) 2,000 grams = **2** Kilograms
- 9.) 2.1 grams = **2,100** milligrams
- 10.) $2\frac{1}{2}$ or 2.5 kilograms = **2,500** grams