Mathematics

2026 STAAR TEST 5th GRADE ASSESSMENT – RELEASED TEST

Use for a student benchmark assessment in late January/early February 2027 for assessment of student readiness.

(Recommendation Note: **Students must not write directly on the assessment. To emulate a digital testing environment, all work must be completed on scratch paper. Students will then transfer their final answers to the provided Answer Key.)**

Answer Document – Fifth Grade Benchmark - NAME: _____

1.) _____

2.) _____

3.) _____

4.) _____

5.) _____ , _____

6.) _____

7.) _____ , _____

8.) _____

9.) _____

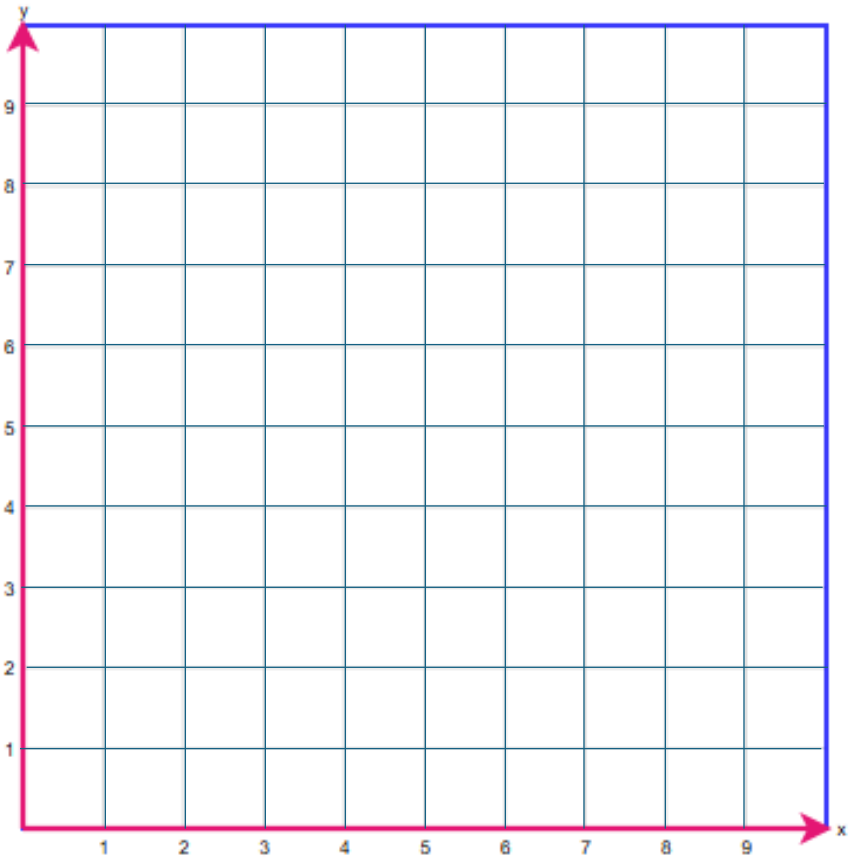
10.) **A.)** _____ , **B.)** _____ , **C.)** _____

11.) _____

12.) _____ , _____

13.) _____

14.) **Use the grid to the right.**



15.) _____

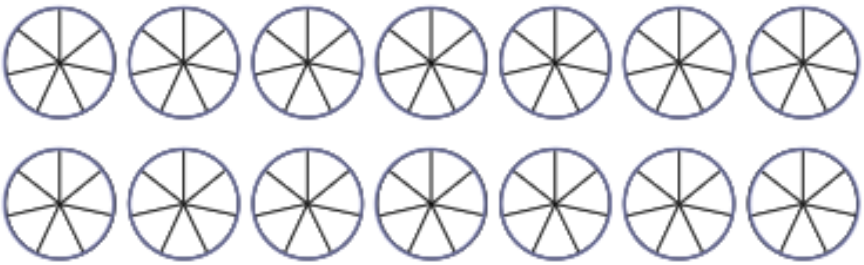
16.) _____

17.) _____

18.) **A.)** _____

19.) _____

20.) Shade the figures.



21.) _____

22.) _____

23.) _____

24.) _____

25.) _____

26.) A.) _____ , B.) _____

27.) _____

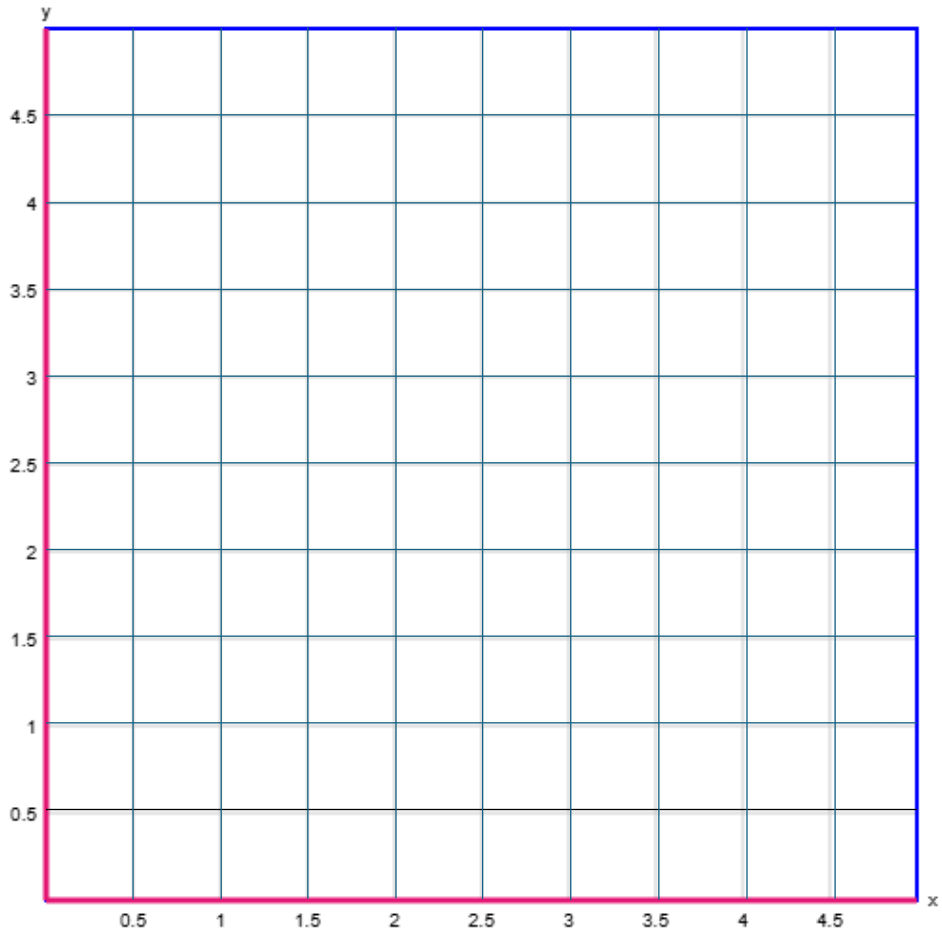
28.) _____

29.) _____

30.) A.) _____ , B.) _____

31.) _____

32.) Use the grid to the right.



33.) _____

34.) A.) _____ , B.) _____ , C.) _____

SOLUTION

SOLUTION

Answer Document – Fifth Grade Benchmark - NAME: _____

1.) C

2.) B

3.) B

4.) A , E

5.) C

6.) D

7.) A , D , E

8.) A

9.) C

10.) A.) ½ , B.) 5 , C.) 1/10

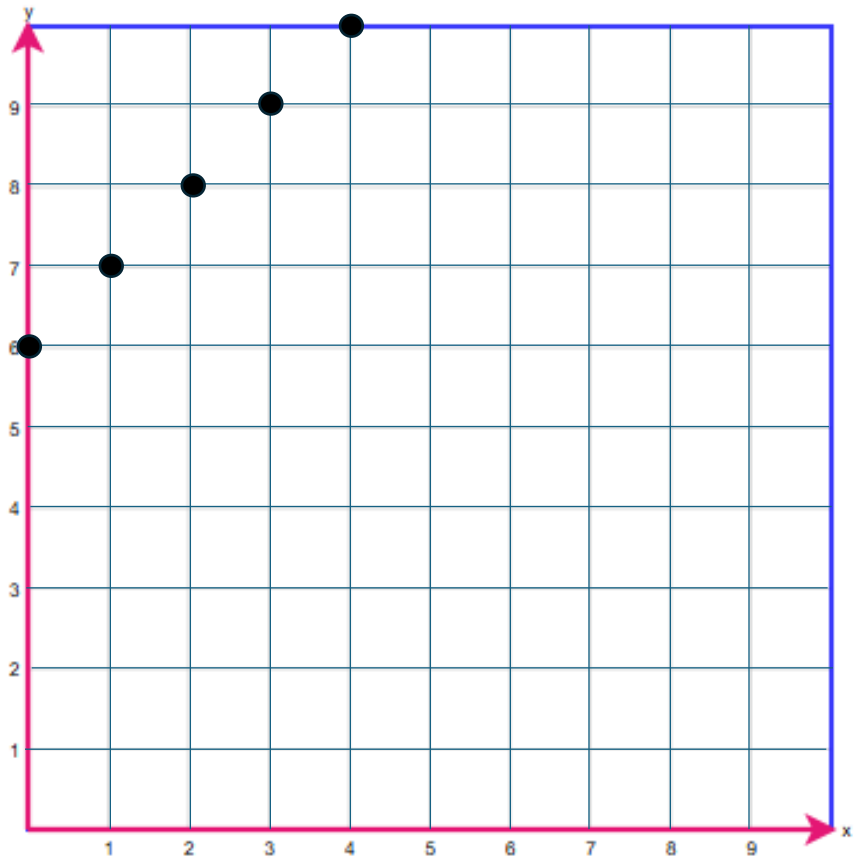
Note: On the actual STAAR, students will use the mouse to select a point on the grid, and it will light up as their response.

11.) D

12.) A , B

13.) A

14.) Use the grid to the right.



15.) C

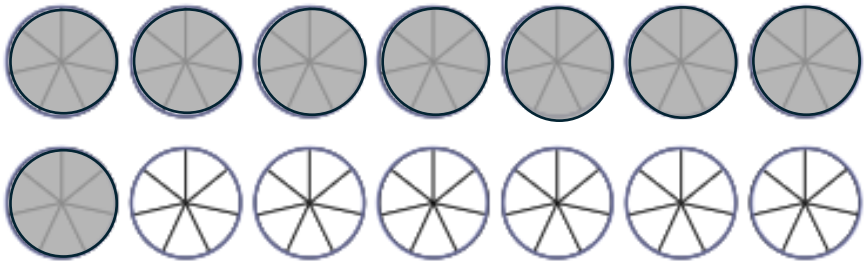
16.) B

17.) C

18.) A.) 5

19.) C

20.) Shade the figures.



21.) D

22.) B

23.) D

24.) B

25.) D

26.) A.) 38 , B.) 84

27.) C

28.) 9

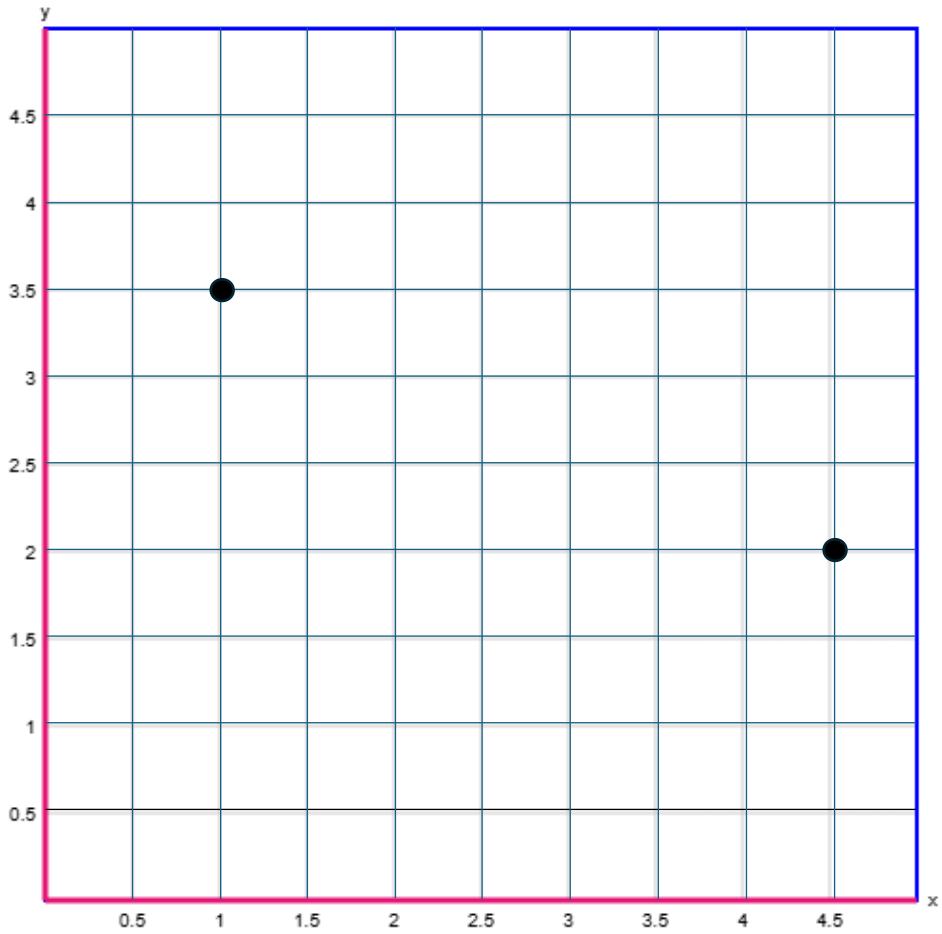
29.) C

30.) A.) subtracted from

B.) less than

31.) D

32.) Use the grid to the right.



33.) A

34.) A.) 10 , B.) 80 , C.) 18

Note: On the actual STAAR, students will use the mouse to select a point on the grid, and it will light up as their response.

Recommendations and Guidelines for Use of Benchmark Assessment

Assembled for public school educators, this benchmark measures students' math fact fluency, mathematical processing, and problem-solving skills against the rigorous standards of the **2027 Spring STAAR assessment**. By simulating the digital testing environment, this tool provides critical data to gauge student readiness. The key attributes and instructional benefits of this benchmark are outlined below.

1.) Controlled Classroom Administration: Conducting the assessment in a proctored, live classroom setting allows educators to actively monitor student progress in real time. Because students cannot mark the test book, they are forced to track their computational thinking on scratch paper. This perfectly replicates the administrative fidelity and tracking requirements of a digital, screen-based exam. It also provides exposure to the rigor of the STAAR assessment which is key!

2.) Targeted Pedagogical Intervention: By reviewing the collected student work, educators can pinpoint precise gaps in conceptual understanding versus computational execution. This actionable data allows teachers to dynamically adjust their daily classroom pedagogy and deploy targeted remediation to rectify specific learning gaps before high-stakes testing.

3.) Proactive Stamina and Behavioral Tracking: Because this benchmark mirrors the strict constraints of the actual exam, educators can evaluate student testing stamina and identify behavioral distractions early. This timeline provides ample opportunity to implement strategic adjustments and test accommodations well ahead of the official spring STAAR administration.

4.) Targeted Digital Literacy and Tech Competency: Transitioning to a paper-based simulation allows teachers to identify gaps in basic computer proficiency that are required for the digital exam such as mouse navigation and keyboard fluency. Uncovering these non-academic technical hurdles early ensures educators can systematically address and refine these student skill competency levels well ahead of the official spring STAAR administration. These essential tech readiness areas include:

a.) Proper/Improper Fraction Entry Platform Mechanics: Students must master the specific multi-step workflow required to input proper and improper fractions into the digital testing interface. Educators should explicitly teach the following operational steps: **Activating the Tool:** Students must select the fraction icon located in the lower-left corner of the digital input bank to generate the fractional template. **Numerator Entry:** Students select numbers from the digital bank to populate the numerator. **Denominator Navigation:** Students must manually click the denominator field with the mouse to highlight it before entering the bottom value. **Error Correction:** Students must be highly proficient in utilizing the digital edit and clear functions to wipe a mistaken response and restart the input process seamlessly. **Note:** To enter a mixed number, the student types the whole number first, then follows the same steps outlined above for a proper fraction.

b.) Ensure students practice using the mouse drag tool before test day. This process is where the student selects an answer and drags the selection to a response box. Although straightforward, students must know how to clear their answers and start over—a process they should not try to learn during the live exam.

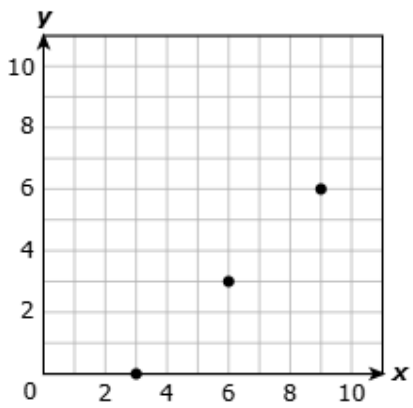
Fifth Grade Mathematics Benchmark Test

1

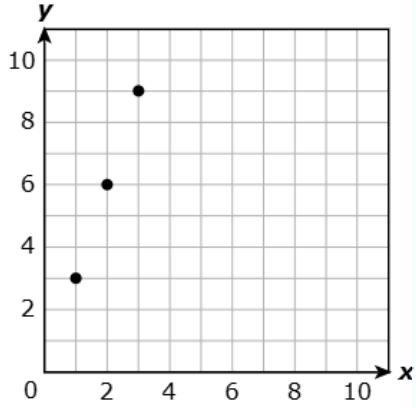
Jasmine graphs points where the value of the *y*-coordinate is three times the value of the *x*-coordinate.

Which coordinate grid could be Jasmine's?

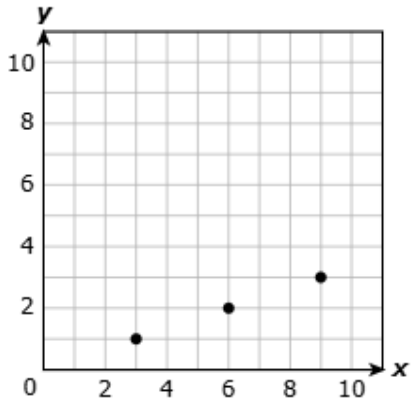
Ⓐ



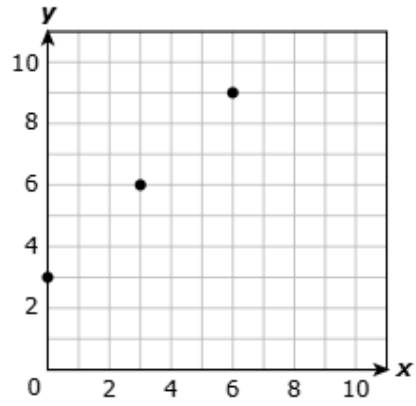
Ⓒ



Ⓑ



Ⓓ



2

What is 23 less than the product of 150 and 12?

Ⓐ 1,677

Ⓑ 1,777

Ⓒ 427

Ⓓ 15,277

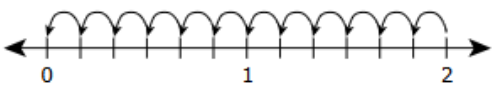
Fifth Grade Mathematics Benchmark Test

4

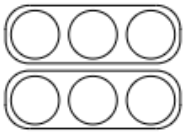
Which models best represent the expression $2 \div \frac{1}{6}$?

Select **TWO** correct answers.

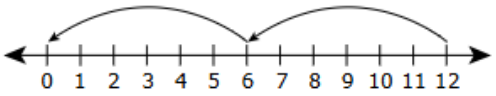
A



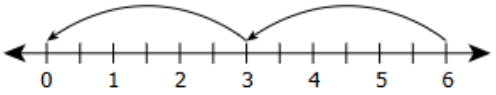
B



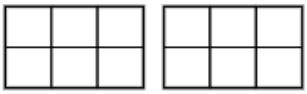
C



D



E



5

A cube has an edge length of 8 feet.

What is the volume of the cube in cubic feet?

Ⓐ 64 cubic feet

Ⓑ 32 cubic feet

Ⓒ 512 cubic feet

Ⓓ 482 cubic feet

Fifth Grade Mathematics Benchmark Test

6

Juan was training for a race. He ran 5.6 kilometers each day for 12 days.

What is the total distance he ran?

Ⓐ 16.8 km

Ⓑ 17.6 km

Ⓒ 66.2 km

Ⓓ 67.2 km

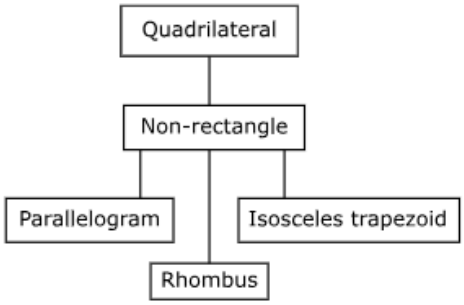
Fifth Grade Mathematics Benchmark Test

7

Tayshawn has three shapes:

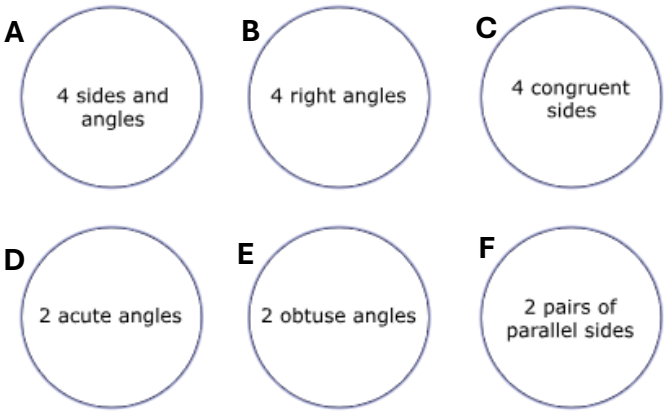
- a parallelogram
- a rhombus
- an isosceles trapezoid

He classified the three shapes using the model shown.



Which attributes do the parallelogram, the rhombus, and the isosceles trapezoid all have?

Select **THREE** correct answers.



8

The weight of 24 golf balls is 38.88 ounces.

How many ounces does each golf ball weigh?

Ⓐ 1.62 oz

Ⓑ 2.12 oz

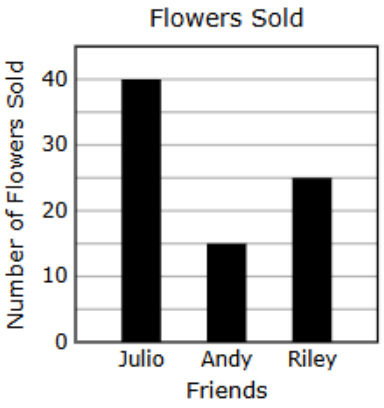
Ⓒ 11.664 oz

Ⓓ 162 oz

Fifth Grade Mathematics Benchmark Test

9

Three friends sell flowers for a fundraiser. They record how many flowers each of them sells and create the bar graph shown.



How many flowers do the three friends sell altogether?

Ⓐ 70

Ⓑ 90

Ⓒ 80

Ⓓ 40

10

Pete uses $\frac{1}{2}$ of a roll of wrapping paper to wrap 5 gifts. He uses the same amount of paper for each gift.

Complete the equation to find how much of a roll of wrapping paper Pete uses for each gift.

Move the correct answer to each box. Not all answers will be used.

$\frac{1}{10}$ $\frac{1}{2}$ 7 5 10 $\frac{1}{7}$ $\frac{1}{3}$

☐ ÷ ☐ = ☐

A **B** **C**

Students: *On this assessment, mark your responses on your answer document using the letter (A, B or C) under each box with the correct faction or whole number.*

Fifth Grade Mathematics Benchmark Test

11

Matthew's expenses were $38 greater than his income last month.

If Matthew's income remains the same, which change to this month's budget should he make to best balance his budget?

Ⓐ Increase this month's budget for spending by $38

Ⓑ Decrease this month's budget for spending to $0

Ⓒ Keep this month's budget for spending the same as last month's

Ⓓ Decrease this month's budget for spending by $38

12

Which numbers are less than six tenths?

Select **TWO** correct answers.

A One hundred thirty-six thousandths

B Four hundred nine thousandths

C Five and two hundredths

D Seven hundred three thousandths

E Eight hundred

13

Jonathan describes part of the coordinate grid as "the horizontal line with all points that have a *y*-coordinate of 0."

Which part of the coordinate grid does Jonathan describe?

Ⓐ *x*-axis

Ⓑ *y*-axis

Ⓒ *x*-coordinate

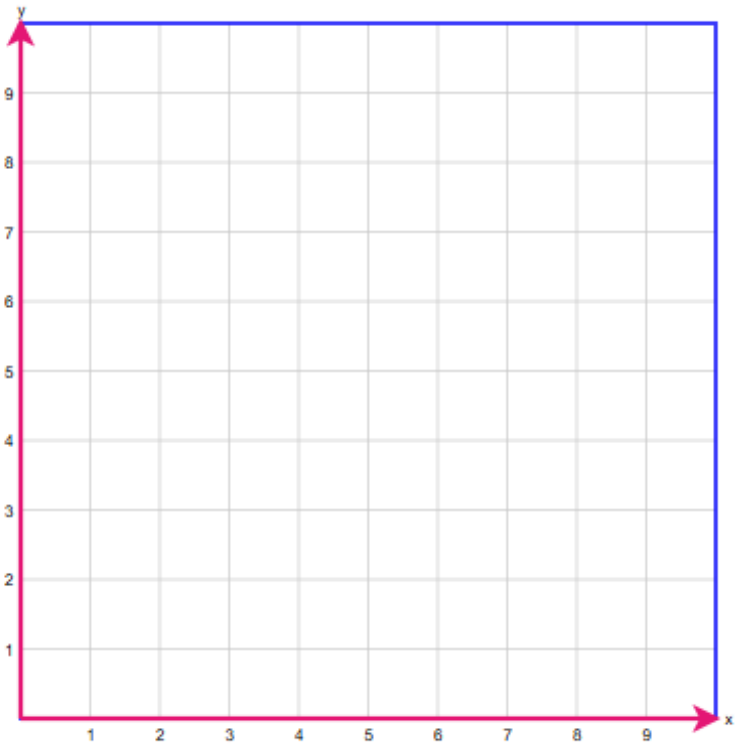
Ⓓ *y*-coordinate

Fifth Grade Mathematics Benchmark Test

14

Graph three ordered pairs that follow the rule $y = x + 6$.

Select **THREE** points on the coordinate grid to represent ordered pairs that follow the rule.



Students: *On this assessment, mark your responses on your answer document on the coordinate grid provided.*

15

Marissa rode her bike 3 miles and Evelyn rode her bike 14,000 feet.

How much farther in feet did Marissa ride her bike than Evelyn?

Ⓐ 13,997 ft

Ⓑ 8,720 ft

Ⓒ 1,840 ft

Ⓓ 15,840 ft

Fifth Grade Mathematics Benchmark Test

16

Nathan makes fruit punch by combining $2\frac{3}{8}$ cups of orange juice, 1 cup of pineapple juice, and $2\frac{2}{3}$ cups of grape juice.

How many cups of fruit punch does Nathan make?

Ⓐ $5\frac{5}{11}$ c

Ⓑ $6\frac{1}{24}$ c

Ⓒ $4\frac{1}{24}$ c

Ⓓ $5\frac{10}{8}$ c

17

What is the product of 273.4 and 0.9?

Ⓐ 274.3

Ⓑ 2,460.6

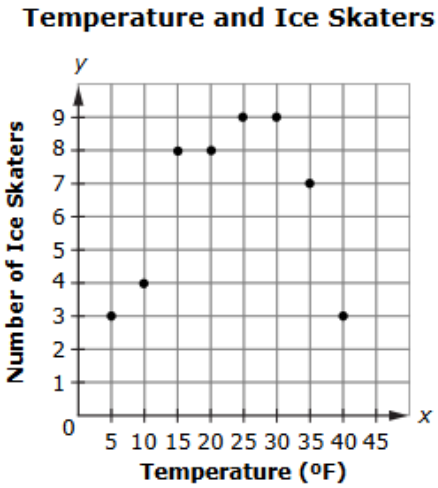
Ⓒ 246.06

Ⓓ 273.36

Fifth Grade Mathematics Benchmark Test

18

The scatterplot shows the relationship between the temperature and the number of ice skaters at a rink.



Complete the statement to compare the numbers of skaters.

Move the correct answer to the box. Not all answers will be used.

1 2 3 4 5 6

There are [ ] more skaters when the temperature is 25 °F than when the temperature is 10 °F.

A

19

A list of numbers is shown.

41.022 41.921 41.298 41.599

Hailey orders the numbers from least to greatest.

Which number is second in Hailey's list?

Ⓐ 41.022

Ⓑ 41.921

Ⓒ 41.298

Ⓓ 41.599

Fifth Grade Mathematics Benchmark Test

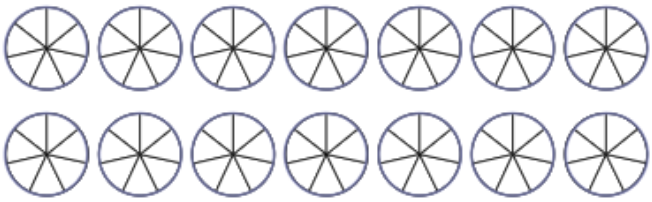
20

The circle shown represents 1 whole.



Create a model to represent the value of $\frac{4}{7} \times 14$.

Select the circles you want to shade.



Students: *On this assessment, mark your responses on your answer document on figures provided.*

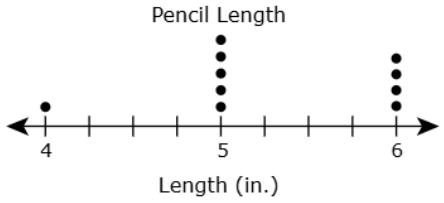
21

Ten students measure the lengths of their pencils to the nearest quarter inch. Their data are shown.

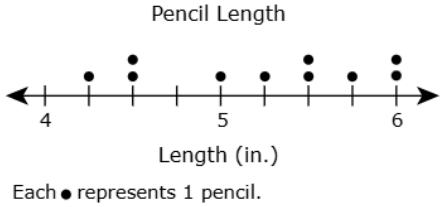
$4\frac{1}{2}$ 6 6 $4\frac{1}{4}$ $5\frac{1}{4}$ $5\frac{1}{2}$ 5 $5\frac{1}{4}$ $4\frac{1}{2}$ $5\frac{3}{4}$

Which dot plot represents their data?

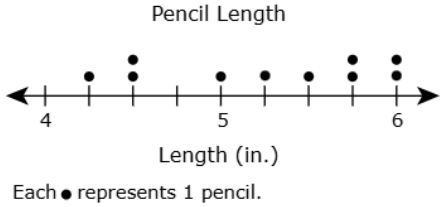
Ⓐ



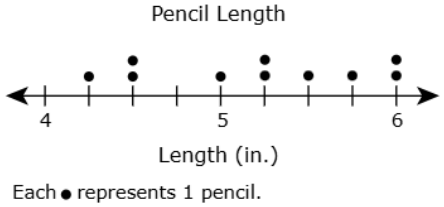
Ⓒ



Ⓑ



Ⓓ



Fifth Grade Mathematics Benchmark Test

22

Julian rides 6 miles on his bicycle. Peyton rides her bike 2.3 miles more than Julian. Samantha rides her bike 1.2 miles less than Peyton.

How many miles does Samantha ride her bike?

Ⓐ 9.5 mi

Ⓑ 7.1 mi

Ⓒ 2.5 mi

Ⓓ 4.9 mi

23

George uses 24 inches of wire for a craft project. He cuts all the wire into pieces that are each $\frac{1}{3}$ inch long.

How many pieces of wire does George use?

Ⓐ $\frac{1}{72}$

Ⓑ $\frac{3}{24}$

Ⓒ 8

Ⓓ 72

24

Which factor pair of 184 contains only composite numbers?

Ⓐ 184 and 1

Ⓑ 46 and 4

Ⓒ 92 and 2

Ⓓ 23 and 8

Fifth Grade Mathematics Benchmark Test

25

A math problem is shown.

$12\overline{)12.6}$

What is the quotient?

Ⓐ 10.5

Ⓑ 1.5

Ⓒ 15.0

Ⓓ 1.05

26

A rectangle has a length of 12 inches and width of 7 inches.

Complete the sentences to describe the rectangle. Move the correct answer to each box. Not all answers will be used.

38 19 84 31 26 126

The perimeter is [A] inches.

The area is [B] square inches.

27

An African elephant calf has a mass of 90.6 kilograms. Wildlife researchers estimate the mass of an adult African elephant is about 50 times the mass of the calf.

How many kilograms can the estimated mass of an adult African elephant be?

Ⓐ 140 kg

Ⓑ 45,000 kg

Ⓒ 5,000 kg

Ⓓ 2 kg

Fifth Grade Mathematics Benchmark Test

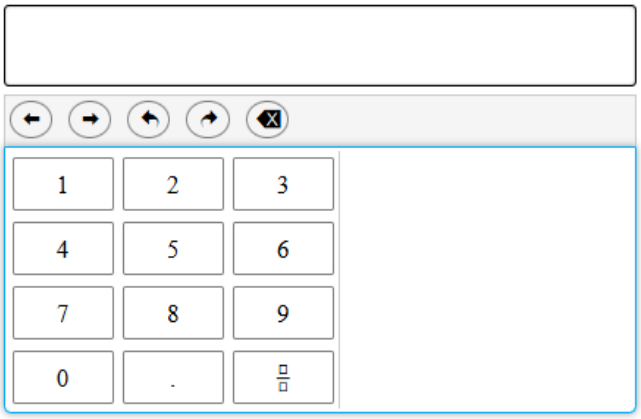
28

An expression is shown.

$$[\,127 - 8 \times (14.6 - 2.1)\,] \div 3$$

Write your answer on your answer document.

Enter your answer in the space provided.



29

Christine builds a rectangular prism using cubes.

- Each cube has a volume of 1 cubic centimeter.
- The base layer of the rectangular prism has a width of 5 centimeters and a length of 7 centimeters.
- The prism is made of 7 identical layers.

What is the volume of the rectangular prism in cubic centimeters?

Ⓐ 42 cubic centimeters

Ⓑ 19 cubic centimeters

Ⓒ 245 cubic centimeters

Ⓓ 215 cubic centimeters

Fifth Grade Mathematics Benchmark Test

30

Ada has a monthly gross income of $3,750 before taxes and deductions.

Complete the statements to describe Ada's net income.

Move the correct answer to each box. Not all answers will be used. Not all answers can be moved to all boxes.

added to | subtracted from | multiplied by | more than | less than | equal to

Tax and deductions are [A] Ada's monthly gross income.

Ada's net income will be [B] $3,750 per month.

31

Michela bought 3 shirts that each had a price of p dollars. She had a coupon for $10 off the total cost of the 3 shirts. The total cost of the shirts after she used the coupon was $47.

Which equation can be used to find the price, p, of each shirt in dollars?

Ⓐ $3(p - 10) = 47$

Ⓑ $3(p + 10) = 47$

Ⓒ $3 \times p + 10 = 47$

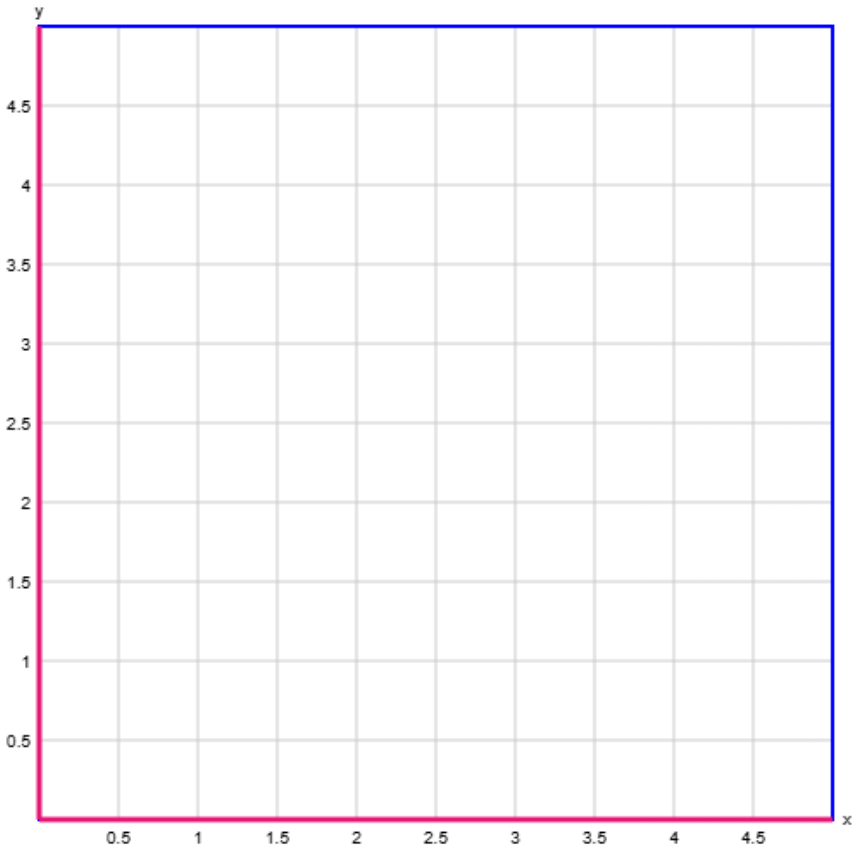
Ⓓ $3 \times p - 10 = 47$

Fifth Grade Mathematics Benchmark Test

32

Plot the ordered pairs $(1,\ 3.5)$ and $(4.5,\ 2)$ on the coordinate grid.

Plot **TWO** points on the coordinate grid to represent the ordered pairs.



Students: *On this assessment, mark your responses on your answer document on the grid coordinate provided.*

Fifth Grade Mathematics Benchmark Test

33

A ribbon measured to the nearest tenth of a centimeter is 6.5 centimeters long.

Which measurement could NOT be the exact length?

Ⓐ 6.449 cm

Ⓑ 6.549 cm

Ⓒ 6.491 cm

Ⓓ 6.546 cm

34

Complete the table to represent a multiplicative pattern between the values of x and y.

Move the correct answer to each box in the table. Each answer may be used more than once. Not all answers will be used.

12 | 10 | 80 | 70 | 18 | 20

x	*y*
4	20
8	40
A	50
16	B
C	90