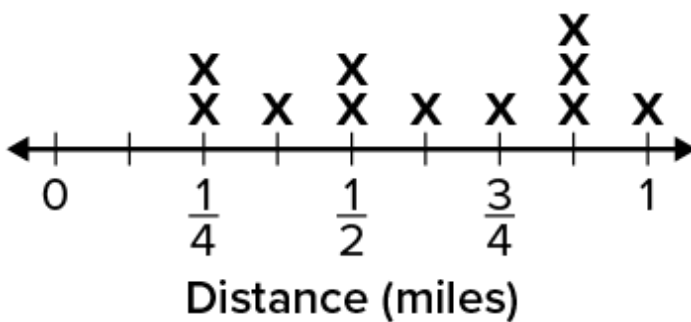## RVL Digital Summative Assessment, Grade 5

1) Choose the correct answer.
Which correctly shows how to use partial products to multiply 235×12?

- $\bigcirc$ $(12 + 200) \times (12 + 30) \times (12 + 5)$
- $\bigcirc$ $12 \times 2 + 12 \times 3 + 12 \times 5$
- $\bigcirc$ $10 \times 200 \times 10 \times 30 \times 10 \times 5 \times 2 \times 200 \times 2 \times 30 \times 2 \times 5$
- $\bigcirc$ $(10 \times 200) + (10 \times 30) + (10 \times 5) + (2 \times 200) + (2 \times 30) + (2 \times 5)$

2) Choose the correct answer.
Hiro walks each day for 11 days. He records the distance, in miles, on the line plot.
Look at the line plot.

Distance (miles)

What is the difference between the longest distance and shortest distance that Hiro walks?

- $\bigcirc$ $\frac{3}{4}$ mile
- $\bigcirc$ $\frac{5}{8}$ mile
- $\bigcirc$ $1\frac{1}{4}$ miles
- $\bigcirc$ $1\frac{1}{8}$ miles

3) Enter the answer.
What is the product?

$56 \times 604 =$ _____

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4) Choose the correct answer.
Look at the rectangle.

$\frac{5}{8}$ ft

$\frac{3}{5}$ ft
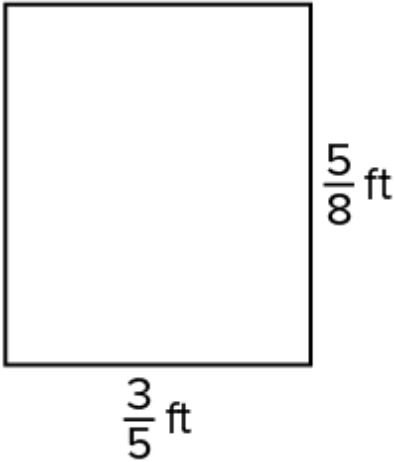
What is the area, in square feet, of the rectangle?

○ $\frac{15}{40}$ square feet

○ $\frac{8}{13}$ square feet

○ $\frac{25}{64}$ square feet

○ $\frac{15}{45}$ square feet

5) Choose the correct answer.
What is the *best* estimate of the product of 0.62×0.38?

○ 0.18
○ 0.24
○ 1.8
○ 2.4

6) Enter the answer.
What is the value of $(11 \times 14) - (12 \times 9)$?

_____

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7) Choose the correct answer.
What is the ordered pair for the point on the coordinate plane?
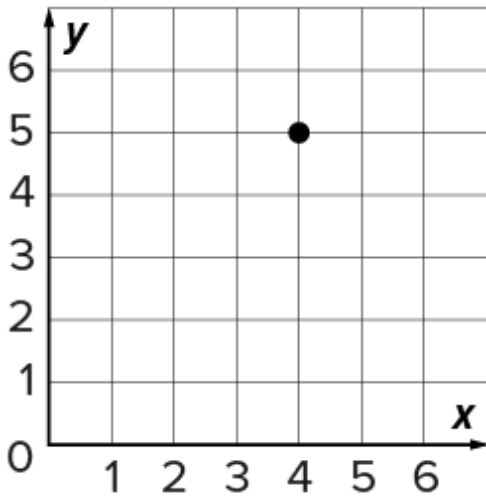
- ○ $(5, 4)$
- ○ $(4, 5)$
- ○ $(6, 5)$
- ○ $(5, 5)$

8) Fill in the blanks using the available answer choices.

Which value of k makes each statement true?

Choose $k = \frac{1}{3}$ or $k = \frac{5}{3}$.

a. $10 \times k$ is greater than 0, but less than 10. _____
(Blank 1)

b. $8 \times k$ is greater than 0, but less than 8. _____
(Blank 2)

c. $6 \times k$ is greater than 6, but less than 12. _____
(Blank 3)

d. $4 \times k$ is greater than 4, but less than 8. _____
(Blank 4)

Blank 1 options	Blank 2 options	Blank 3 options	Blank 4 options
• k = 1/3	• k = 1/3	• k = 1/3	• k = 1/3
• k = 5/3	• k = 5/3	• k = 5/3	• k = 5/3

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9) Enter the answer.

Jamal uses unit cubes to fill a box. The first layer of unit cubes is 4 unit cubes long and 6 unit cubes wide.

If the volume of the box is 72 cubic units, how many layers of unit cubes does Jamal put in the box?

_____ layers

10) Choose the correct answer.

What is the value of $\frac{3}{4} + \frac{5}{7}$?

- ○ $\frac{21}{28}$
- ○ $\frac{20}{28}$
- ○ $1\frac{12}{28}$
- ○ $1\frac{13}{28}$

11) Choose the correct answer.

Which quotient is the *best* estimate of $3,702 \div 41$?

- ○ 70
- ○ 90
- ○ 100
- ○ 120

12) Choose the correct answer.

Which expression is equivalent to the fraction $\frac{4}{32}$?

- ○ 4×32
- ○ 32×4
- ○ $32 \div 4$
- ○ $4 \div 32$

13) Enter the answer.

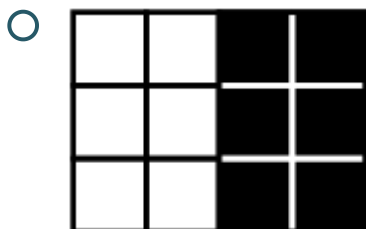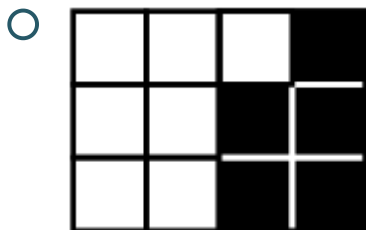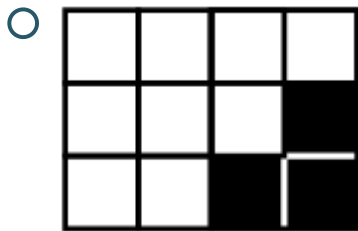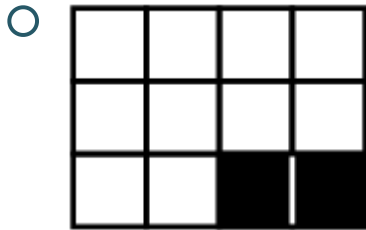Write *five and thirty-seven thousandths* as a decimal.

_____

14) Choose the correct answer.
Which figure represents the product of $\frac{2}{12} \times 3$?

○

○

○

○

15) Choose the correct answer.
Which of these statements about a rectangle is *always* true?

○ A rectangle is a rhombus and a square.
○ A rectangle is a parallelogram and a square.
○ A rectangle is a quadrilateral and a parallelogram.
○ A rectangle is a quadrilateral and a rhombus.

16) Enter the answer.
What is the quotient?

$0.36 \div 0.03 =$ _____

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17) Choose the correct answer.
Which method can be used to multiply 982×11 ?

- ○ $(900 \times 11) + (80 \times 11) + (2 \times 11)$
- ○ $(900 \times 80 \times 2) \times 11$
- ○ $(900 + 11) \times (80 + 11) \times (2 + 11)$
- ○ $(900 + 11) \times (82 + 11)$

18) Choose the correct answer.
Which statement *best* describes the expression $3 \times (40 + 7)$?

- ○ Three times forty plus seven
- ○ Forty plus seven divided by three
- ○ Three times the sum of forty and seven
- ○ Three times the difference of forty and seven

19) Enter the answers.
Nera biked 4.74 miles before work and 5.17 miles after work. Round each number to the nearest tenth
to find a reasonable estimate for the total number of miles Nera biked.

_____ + _____ + _____ miles

20) Enter the answer.
What is the difference of $7.08 - 5.52$?

_____

21) Choose the correct answer.
Fiorella has $\$0.50$. Gwen has 10 times as much money. How much money does Gwen have?

- ○ $\$0.05$
- ○ $\$0.50$
- ○ $\$5.00$
- ○ $\$50.00$

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22A) Choose the correct answer.
Beatrice uses partial quotients to solve $372 \div 5$.
Look at the division model.

```
5 ) 372
   − 350        70
   ────
      22
   −  20         4
   ────         ────
       2         74
```

What did Beatrice do first to solve the problem?

○ She divided $372 \div 5$ by taking out 70 groups of 5 with a product of 350.
○ She divided $22 \div 5$ by taking out 4 groups of 5 with a product of 20.
○ She subtracted 350 from 372 to find a difference of 22.
○ She subtracted 20 from 22 to find a difference of 2.

22B) Enter the answer.
What is the quotient?

$372 \div 5 =$ _____ R _____

23) What is the product of 42×0.8?
Enter the missing numbers to solve.
$42 \times 0.8 = 42 \times 8 \times$ _____
$42 \times 0.8 =$ _____

24) Choose the correct answer.
Which estimate is *most* reasonable for the quotient of $38.64 \div 12.8$?

○ 5
○ 4
○ 3
○ 2

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25) Enter the answer.
Hans wraps a gift box that has a base of 18 square inches and a height of 5 inches.
What is the volume, in cubic inches, of the gift box Hans wraps?

_____ cubic inches

26) Choose the correct answer.
Vickie makes 2 gallons of lemonade. She pours the lemonade equally into 4 pitchers.
How much lemonade, in cups, is in each pitcher?

- ○ 2 cups
- ○ 4 cups
- ○ 6 cups
- ○ 8 cups

27) Tina uses partial sums to add $8.45 + 5.96$. Enter the missing numbers to complete her equations.

$8 + 5 = 13$

$0.4 +$ _____ $=$ _____

_____ $+ 0.06 = 0.11$

$13 +$ _____ $+ 0.11 =$ _____

28) Choose the correct answer.
Mr. Tiller writes a number on the board. The number rounded to the nearest hundredth is 300.
Which of these could be Mr. Tiller's number?

- ○ 299
- ○ 299.999
- ○ 300.01
- ○ 300.1

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29) Choose the correct answer.
Melani does homework for $1\frac{5}{6}$ hours. Heidi does homework for twice as long as Melani. How long, in hours, does Heidi do homework?

○ $2\frac{10}{12}$ hours

○ $2\frac{4}{6}$ hours

○ $3\frac{4}{6}$ hours

○ $5\frac{3}{6}$ hours

30) Use the fact 6×7 to enter the correct products.

$0.6 \times 0.07 = $ _____

$6 \times 0.7 = $ _____

$0.006 \times 70 = $ _____

31) Choose the correct answer.
Which equation shows a correct way to subtract $2\frac{4}{6} - 1\frac{1}{3}$?

○ $\frac{24}{6} - \frac{11}{3} = \frac{13}{3}$

○ $\frac{16}{6} - \frac{7}{6} = \frac{10}{6}$

○ $\frac{10}{3} - \frac{4}{3} = \frac{6}{3}$

○ $\frac{16}{6} - \frac{8}{6} = \frac{8}{6}$

32) Choose the correct answer.
Carlos generates Patterns W and Z using these rules:

- Pattern W: Start with 0 and add 7.
- Pattern Z: Start with 0 and subtract 4.

Which set of ordered pairs is generated from corresponding terms of Patterns W and Z?

○ $(0, 0), (-7, 4), (-14, 8), (-21, 12)$
○ $(0, 0), (7, -4), (14, -8), (21, -12)$
○ $(0, -4), (7, -8), (14, -12), (21, -16)$
○ $(7, 0), (14, -4), (21, -8), (28, -12)$

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33) Enter the answer.
Beni has 4 feet of string to make keychains. If he uses $\frac{1}{2}$ foot of string for each keychain, how many keychains can Beni make?

_____ keychains

34) Enter the answer.
Look at the equation.

$$2\frac{3}{10} + 1\frac{1}{100} = 2 + 1 + \frac{\square}{100} + \frac{1}{100}$$

What number goes in the box to make the equation true?

_____

35) Choose the correct answer.
Which equation has the same unknown as
$1{,}148 \div 28 = \square$?

○ $28 \times \square = 1{,}148$
○ $1{,}148 \times \square = 28$
○ $\square \div 1{,}148 = 28$
○ $28 \div \square = 1{,}148$