

**1** What is  $36 \div 6 = \square$ ?

- (A) 6                      (C) 30  
(B) 7                      (D) 42

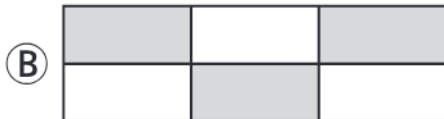
- 2** The students at Cherrywood Elementary are planting a vegetable garden. They divide a rectangular plot into 6 equal parts. The students plant 4 kinds of vegetables. The vegetables take up 1 or 2 parts of the plot, as shown in the table.

1 Part	2 Parts
lettuce	cucumbers
carrots	broccoli

Which of the following represent the fractional area of the vegetable garden taken up by lettuce and broccoli?

Select **all** the correct answers.

(A)  $\frac{1}{6}$



(C)  $\frac{3}{6}$

(D) 3

- 3** What is the missing factor?

$\square \times 9 = 72$

- 4** The table below shows the schedule for Keisha’s summer camp.

Activity	Start Time	End Time
Lunch	12:05 p.m.	12:45 p.m.
Art	12:45 p.m.	2:00 p.m.
Theater	2:10 p.m.	3:50 p.m.
Swimming	4:15 p.m.	5:05 p.m.

Which activity takes the LEAST amount of time?

- Ⓐ lunch                      Ⓒ theater  
Ⓑ art                              Ⓓ swimming

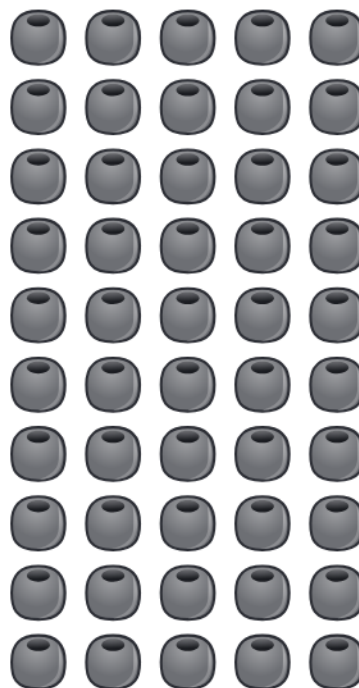
- 5** Carla has 7 packs of cards with 6 cards each. She gives some cards to Ranju. Carla has 36 cards now. How many cards does she give to Ranju?

\_\_\_\_\_ cards

- 6** What is the value of  $732 - 256$ ?

- Ⓐ 988                      Ⓒ 576  
Ⓑ 586                      Ⓓ 476

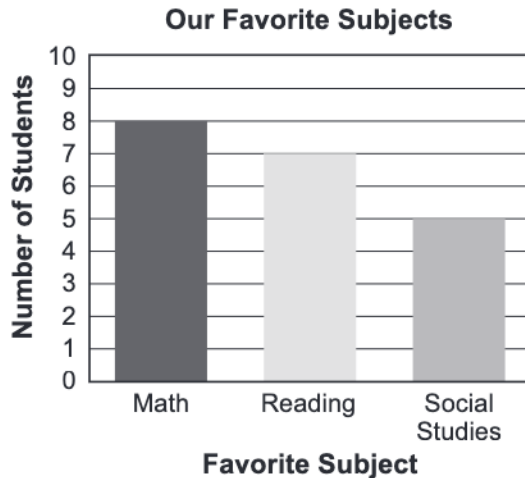
- 7** The array shows the beads Eliana is using to make a necklace.



Select all the equations that can be used to find how many beads,  $b$ , Eliana uses.

- Ⓐ  $10 \times 5 = b$   
Ⓑ  $b = 2 \times 5 \times 5$   
Ⓒ  $b = 5 \times 5$   
Ⓓ  $b = 10 + 5$   
Ⓔ  $b \div 10 = 5$

- 8** Mr. Becker's class voted on their favorite subjects. Some of the results are shown on the graph.



The number of students who voted for science is 3 more than the number who voted for social studies. The number of students who voted for art is 2 less than the number who voted for science. How many students voted for art?

- (A) 3                      (C) 6  
(B) 5                      (D) 8

- 9** Shade the model to show a fraction that makes the comparison true.

$$\frac{2}{6} < \square < \frac{2}{3}$$

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- 10** Which multiplication equation can be used to solve

$$42 \div 6 = \square ?$$

Fill in the blanks with the correct numbers from the list.

$$\square \times 6 = \square$$

7	8	15	42
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- 11** What do the missing numbers in the table have in common?

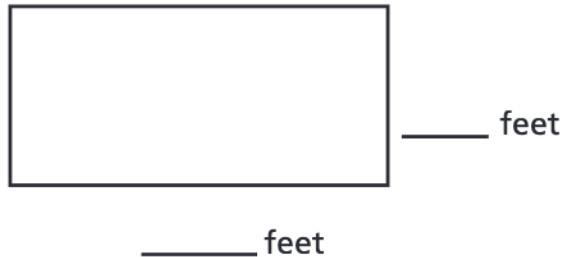
Select all that apply.

×	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10		14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25		35	40	45	50
6	0	6	12	18	24	30		42	48	54	60
7	0	7	14	21	28	35		49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45		63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

- (A) They are all odd numbers.  
(B) They are all even numbers.  
(C) They are all double the numbers to the right.  
(D) They are all 6 greater than the numbers above.  
(E) They are odd and even numbers.

- 12** Louisa builds a front deck that is 5 feet wide and 6 feet long. She wants to build a back deck with the same area but a different perimeter. What could the dimensions of the back deck be?

Fill in the blanks with the correct numbers from the list to label the length of each side.



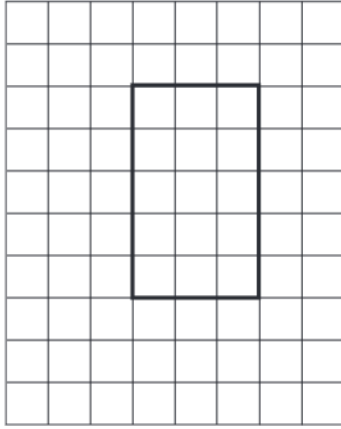
- |   |   |   |    |
|---|---|---|----|
| 3 | 5 | 6 | 10 |
|---|---|---|----|

- 13** Maddie is building a model train. Each train car gets an equal number of wheels. There are 56 wheels in the kit. How many train cars could be in the kit, and how many wheels can each car get?

Select **all** the possible combinations of train cars and wheels that are shown.

- (A) 2 train cars with 28 wheels each
- (B) 7 train cars with 8 wheels each
- (C) 4 train cars with 12 wheels each
- (D) 5 train cars with 6 wheels each
- (E) 14 train cars with 4 wheels each

- 14** Mr. Garcia plans a garden plot. A model of the plot is shown below.



He then plans a second plot that has an area that is 3 times larger but with the same width as the first plot.

Fill in the blanks with numbers from the list to correctly complete the sentence.

The length of the second plot is \_\_\_\_\_ times the length of the first plot, and its area is \_\_\_\_\_ square units.

3	5	15	32	45
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- 15** What is 443 rounded to the nearest ten?

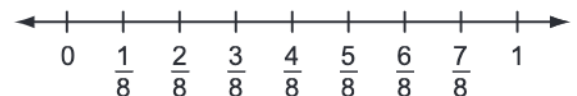
- (A) 400                      (C) 450  
(B) 440                      (D) 500

- 16** Mila, Devon, and Cole ran around the school track. The table shows the part of 1 mile that two of the students ran.

Student	Part of Mile
Mila	$\frac{1}{2}$
Devon	
Cole	$\frac{3}{4}$

Devon ran farther than Mila, but not as far as Cole.

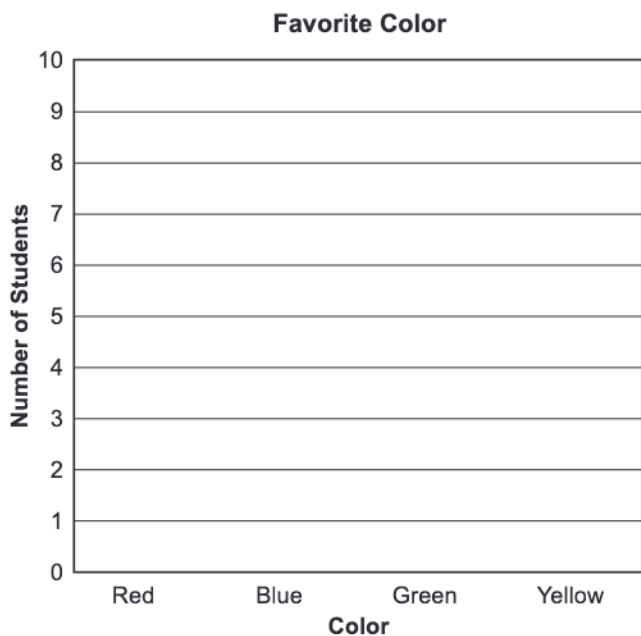
Plot points and label on the number line to show the part of 1 mile that each student ran.



- 17** Marcus asks 25 students to vote for a favorite color. The table shows some of the results.

Color	Number of Students
Red	6
Blue	9
Green	5
Yellow	

Draw the bars on the graph to show the number of students who voted for each color.



- 18** Hannah has some packs of paintbrushes. She has 30 paintbrushes in all. Each pack has 6 paintbrushes in it. How many packs of paintbrushes does Hannah have?

Fill in the blanks with the correct answers to complete the equation and solve the problem.

$$\underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

packs of paintbrushes

- 19** Which multiplication has the same product as  $3 \times 80$ ?

- (A)  $4 \times 70$       (C)  $5 \times 30$   
 (B)  $6 \times 40$       (D)  $8 \times 50$

- 20** Which shape can never be a square?

- (A) parallelogram  
 (B) rectangle  
 (C) rhombus  
 (D) pentagon

- 21** What is the value of the missing number?

$$8 \times 6 = (8 \times 2) + (8 \times \square)$$

- (A) 2  
(B) 4  
(C) 6  
(D) 8

- 22** Bryan is measuring his bedroom. It has a perimeter of 48 feet. What could the side lengths for Bryan's bedroom be?

Fill in the blanks with the correct answers from the list.

\_\_\_\_\_ feet long, \_\_\_\_\_ feet wide

6	8	10	14
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- 23** A part of a multiplication pattern is shown.

**Part A**

Fill in the blanks with the missing numbers to complete the pattern.

x	1	2	3	4	5	6	7	8
5	5	10	15	20	_____	30	_____	40
	odd	even	odd	even	?	even	odd	

**Part B**

Should the question mark in the bottom row of the table be replaced by the word *even* or *odd*?

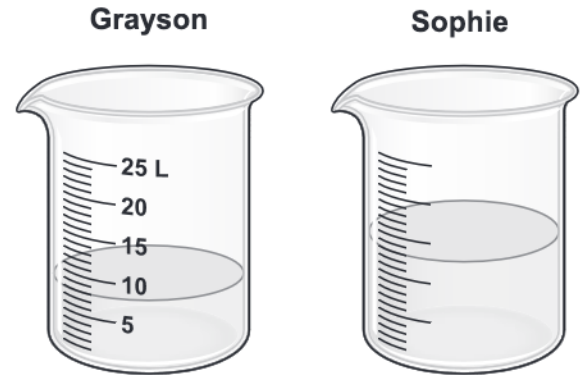
Fill in the blanks to correctly complete the sentence.

The question mark should be replaced by the word \_\_\_\_\_ because an \_\_\_\_\_ number times an \_\_\_\_\_ number will be an \_\_\_\_\_ number.

- 24** Grayson and Sophie have containers that are the same size.

Grayson has 8 liters (L) of water in his container. Sophie does not know how much water is in her container. About how much more water in liters does Sophie have than Grayson?

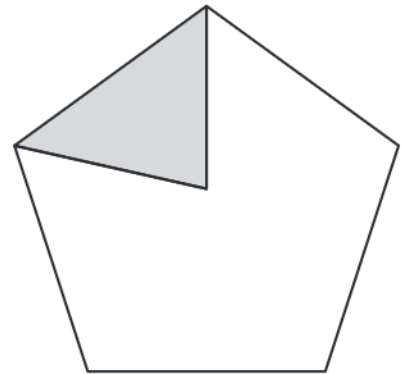
\_\_\_\_\_ liters



- 25** Mai divides the shape into equal-sized parts like the one shown.

What fraction of the shape does the shaded part show?

- (A) 1                      (C)  $\frac{1}{5}$   
(B) 5                      (D)  $\frac{1}{6}$



- 26** Maddie has 5 bags. Each bag contains 8 apple slices.

What shows a way to find the total number of apple slices?

- (A)  $8 - 5$                       (C)  $8 \times 5$   
(B)  $8 \div 5$                       (D)  $8 + 5$

- 27** Which of the following model a number that is greater than  $\frac{1}{2}$ ?  
Select **all** the correct answers.

(A)  $\frac{1}{3}$



(B)  $\frac{4}{8}$

(E)  $\frac{3}{8}$

(C)  $\frac{3}{2}$

- 28** Which multiplication fact can help solve  $54 \div 6$ ?

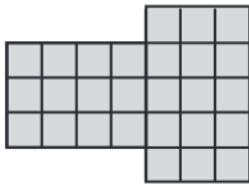
(A)  $6 \times 4$

(C)  $5 \times 4$

(B)  $9 \times 6$

(D)  $5 \times 9$

- 29** Josh drew a model of his mom's office on paper with unit squares.

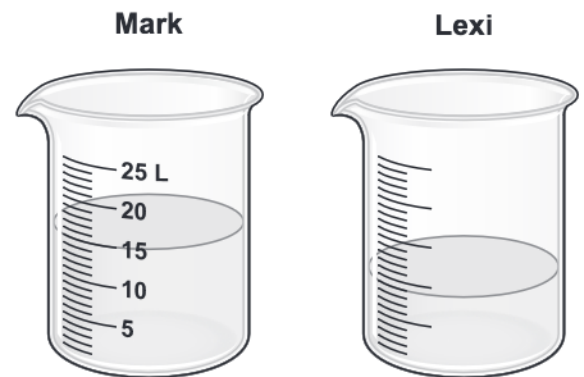


What expression can be used to help find the area of the office?

( \_\_\_\_\_  $\times$  \_\_\_\_\_ ) +

( \_\_\_\_\_  $\times$  \_\_\_\_\_ )

- 30** Lexi and Mark have containers that are the same size.



Mark has 15 liters (L) of water in his container. Lexi does not know how much water is in her container. About how much less water in liters does Lexi have than Mark?

(A) 6 L

(C) 15 L

(B) 9 L

(D) 24 L

- 31** Which fraction is represented by the length between point  $\square$  and point  $B$  on the number line?

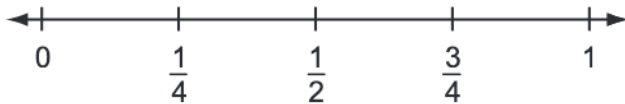


- (A)  $\frac{1}{3}$                       (C)  $\frac{4}{3}$   
(B)  $\frac{2}{3}$                       (D)  $\frac{5}{3}$

- 32** Janine measured the width of 7 pencils. The widths are shown in the table.

Draw Xs on the line plot to represent the widths of all 7 pencils.

Pencil Width (in inches)



Pencil Width (in inches)

Pencil 1	$\frac{1}{2}$
Pencil 2	$\frac{1}{4}$
Pencil 3	$\frac{3}{4}$
Pencil 4	1
Pencil 5	$\frac{1}{4}$
Pencil 6	$\frac{3}{4}$
Pencil 7	$\frac{3}{4}$

- 33** On Friday the students sold 55 tickets to their school play. On Saturday the students sold 95 tickets. Their goal is to sell 250 tickets by Sunday. How many more tickets do the students need to sell to meet their goal?

\_\_\_\_\_ tickets