

**Q1:** Every day Rami walks 1 mile in the morning and 1 mile in the afternoon. How many days will it take Rami to walk a total distance of 10 miles?

- A** 5
  - B** 8
  - C** 10
  - D** 12
- 

**Q2:** Alan is playing a game where he needs 900 points to win. He currently has 729 points.

How many more points does he need to win the game?

Use paper to show your work. Enter your answer in the box.

Alan needs  more points to win the game.

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**Q3:** Ellie has 12 eggs to make cakes. She will use 3 eggs for each cake. What is the greatest number of cakes Ellie can make? On a piece of paper, draw a tape diagram to represent the problem. Drag numbers and a symbol to make a number sentence that represents the problem and complete the answer statement.

**DRAG DROP VALUES**

3

4

7

9

12

15

36

+

-

×

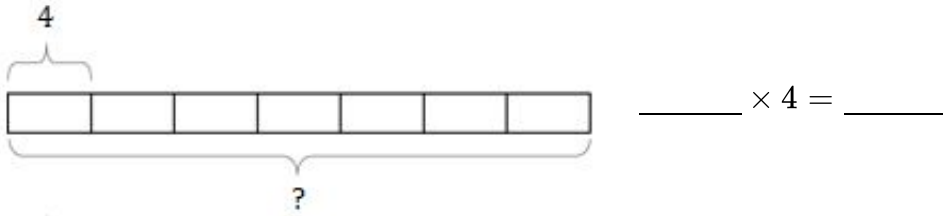
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$$\square \square \square = \square$$

Ellie can make  cakes.

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**Q4:** The tape diagram and equation shown can be completed to represent the same problem.

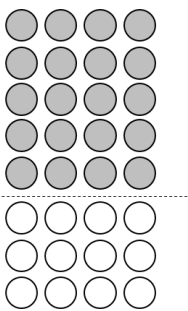


Which array can also be used to represent the same problem?

- A**
- B**
- C**
- D**

**Q5:** Select from the drop-down menu to make a number sentence that matches the array shown.

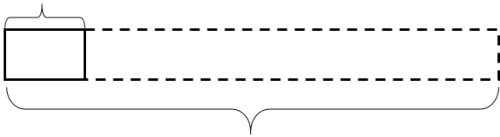
= (5 × 4) +



a. \_\_\_\_\_

**Q6:** Jada has 20 quarters. She can buy 1 pencil for 4 quarters. What is the greatest number of pencils Jada can buy?

4 quarters



20 quarters  
? pencils

Enter numbers to complete the skip count by 4, solve the equation, and complete the answer statement.

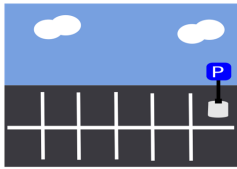
4, , , ,

$20 \div 4 =$

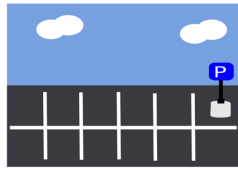
Jada can buy  pencils with 20 quarters.

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**Q7:** There are a total of 18 cars in 2 parking lots with an equal number of cars in each lot. How many cars are in each parking lot?



Parking Lot



Parking Lot

Select from the drop-down menu to correctly complete the statements.

There are  cars in each parking lot. The answer can be found by solving

.

- a.  2  
 3  
 6  
 9  
 18  
 36

b. \_\_\_\_\_

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**Q8:** Farouk has 18 yellow flowers and 24 white flowers. He puts all the flowers equally in 6 vases. Use the RDW process to solve. Use paper to show your work. Enter your answers in the boxes.

**Part A**

How many flowers does Farouk put in each vase?

Farouk puts  flowers in each vase.

**Part B**

Farouk gives 2 of the vases with flowers away. How many flowers does he have left?

Farouk has  flowers left.

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**Q9:** Solve.

$$3 \times \boxed{\phantom{000}} = 12$$

$$5 \times 9 = \boxed{\phantom{000}}$$

$$6 \times \boxed{\phantom{000}} = 60$$

$$24 \div 3 = \boxed{\phantom{000}}$$

$$14 \div \boxed{\phantom{000}} = 2$$

$$5 \times 1 = \boxed{\phantom{000}}$$

$$4 \times \boxed{\phantom{000}} = 36$$

$$2 \times 8 = \boxed{\phantom{000}}$$

$$20 \div \boxed{\phantom{000}} = 10$$

$$18 \div 3 = \boxed{\phantom{000}}$$

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**Q10:** An adult cougar weighs 63 kilograms. Round the weight to the nearest 10 kilograms.

Drag numbers to label the vertical number line to model your thinking.

**DRAG DROP VALUES**

55

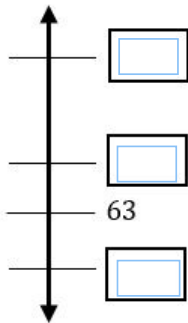
60

65

70

75

80



The weight of the cougar rounded to the nearest ten is  kilograms.

**Q11:** Kyle and Carrie go to the store and spend \$305 on a scooter and bicycle. Kyle's scooter costs \$127. How much does Carrie's bicycle cost? Use paper to show your work. Select the correct answer.

- A \$178
  - B \$432
  - C \$222
  - D \$188
- 

**Q12:** Noah is playing a game of chess. Answer the following questions about the chess pieces on the board.

a. There are 2 rows of 8 black chess pieces on the chessboard. On paper, draw an array that represents the chess pieces. Use an X to show each piece.

b. Add to the array you drew on paper in Part (a) by drawing circles to represent 2 rows of 8 white pieces.

c. Enter a multiplication expression to match the entire array of black and white chess pieces.

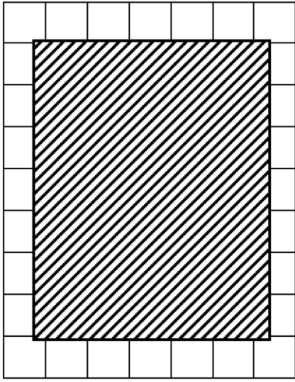
d. Fill in the blanks to show how the rows in the entire array for black and white pieces can be added.

eights +  eights =  eights

e. Solve the expression in Part (c).

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**Q13:** Gina's kitchen floor is made of square foot tiles with a rug on top as shown.



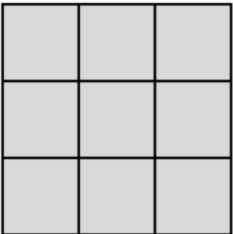
a. How many square foot tiles are on the kitchen floor, including the tiles under the rug?

There are  square foot tiles on the floor.

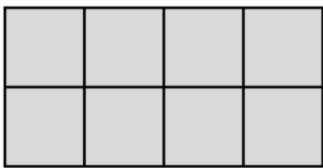
b. Show your thinking in numbers or words in the box below.

**Q14:** Each  is 1 square unit.

a. Find the area of each rectangle.



square units



square units

b. Do the two rectangles have equal areas? Explain how you know.