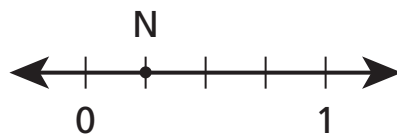


2013 State Test

Which measure best represents the distance from 0 to point N on the number line below?



A $\frac{1}{6}$ unit

B $\frac{1}{5}$ unit

C $\frac{1}{4}$ unit

D $\frac{1}{3}$ unit

What number sentence is another way to represent the missing number in the equation $36 \div 4 = \square$?

A $\square \times 4 = 36$

B $36 \times 4 = \square$

C $36 + 4 = \square$

D $\square \div 4 = 36$

What is another way of expressing 8×12 ?

A $(8 \times 10) + (8 \times 2)$

B $(8 \times 1) + (8 \times 2)$

C $(8 \times 10) + 2$

D $8 + (10 \times 2)$

Which fraction goes in the blank to make a true number sentence?

$$\frac{4}{8} > \underline{\quad ? \quad}$$

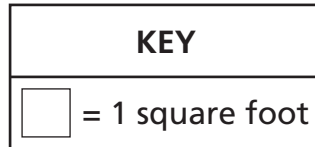
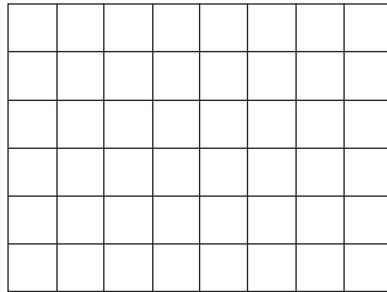
A $\frac{4}{6}$

B $\frac{2}{8}$

C $\frac{7}{8}$

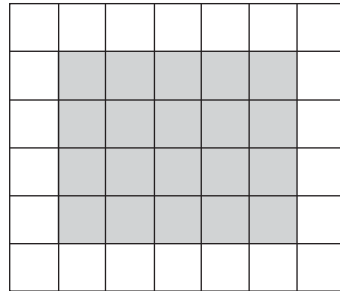
D $\frac{4}{4}$


Sue is going to cover her kitchen floor with tiles that are each 1 square foot. The floor is in the shape of a rectangle that is 6 feet wide and 8 feet long. How many tiles are needed to cover the floor?



- A** 14
- B** 24
- C** 28
- D** 48

What is the area, in square units, of the shaded part of the figure?



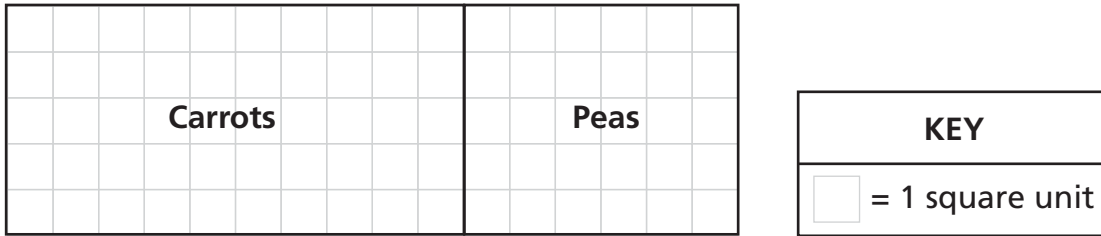
| KEY | |
|---|-----------------|
|  | = 1 square unit |

- A** 18
- B** 20
- C** 22
- D** 42

The number of objects described in which situation can be represented by $24 \div 4$?

- A** There are 24 boxes with 4 pencils in each box.
- B** There are 24 people on a bus, and 4 people get off the bus.
- C** There are 24 marbles that need to be sorted into 4 equal groups.
- D** There are 24 books on a shelf, and 4 more books are put on the shelf.

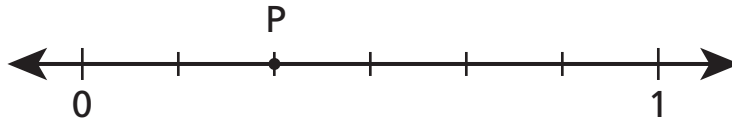
The garden below was divided into two regions—one for carrots and one for peas.



Which expression represents the area, in square units, of the whole garden?

- A** $(5 + 10) + (5 + 6)$
- B** $(5 \times 10) \times (5 \times 6)$
- C** $(5 \times 10) + (5 \times 6)$
- D** $(5 + 10) \times (5 + 6)$

Which number represents the location of point P on the number line below?



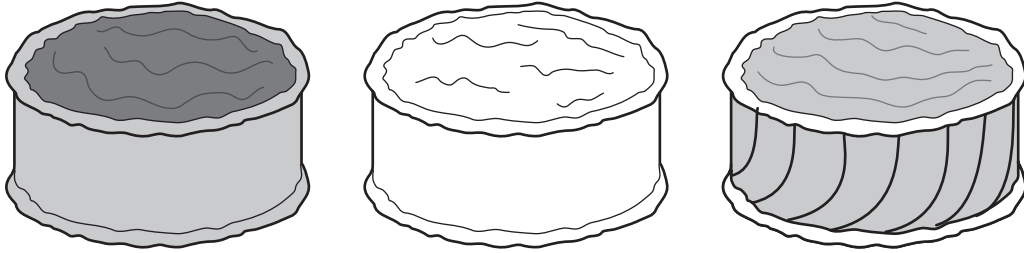
- A** $\frac{2}{7}$
- B** $\frac{2}{6}$
- C** $\frac{3}{7}$
- D** $\frac{2}{4}$

124030013_1

The Rogers family drove a total of 482 miles, starting on Friday and ending on Sunday. They drove 138 miles on Friday and 225 miles on Saturday. How many miles did they drive on Sunday?

- A** 119
- B** 121
- C** 363
- D** 745

A bake sale had the 3 cakes, as shown below, for sale.



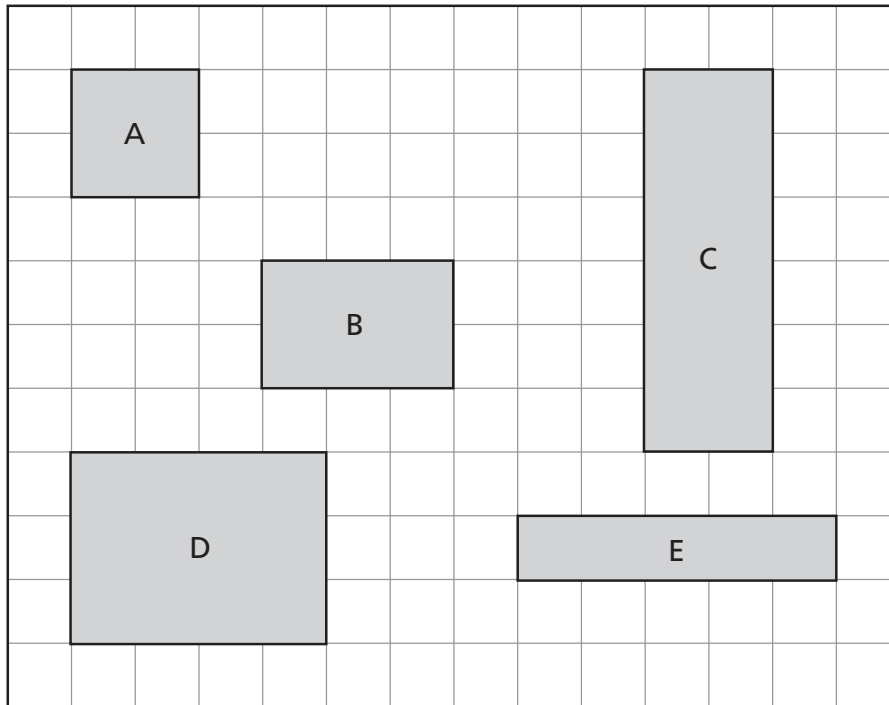
Each cake was cut into 6 slices. Each slice was sold for \$5.


What was the total amount earned for the sale of all the cakes?

Show your work.

Answer \$ _____

The diagram shows the size of 5 different rectangles.



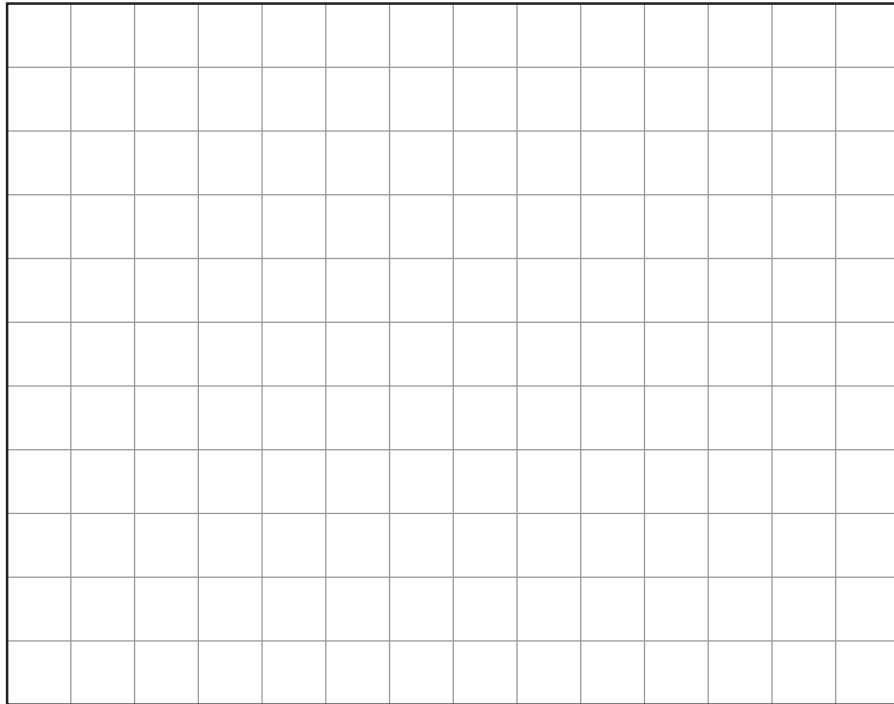
| KEY | |
|---|-----------------|
|  | = 1 square unit |


Which 2 figures have the same area?

Show your work or explain how you got your answer.

Answer _____ and _____

On the grid below, join 3 of the rectangles together, without overlapping, to form one figure that has an area of 22 square units. Use the rectangles shown in the diagram on page X.



| | |
|---|-----------------|
| KEY | |
|  | = 1 square unit |