TEST NAME: **Fall SOY Checkpoint Grade 3 Math Content**
TEST ID: **27**
GRADE: **03 - 04**
SUBJECT: **Mathematics**
TEST CATEGORY: **Start of Year Checkpoint**

08/10/20, Fall SOY Checkpoint Grade 3 Math Content

Student:

Class:

Date:

Instructions

The Grade 3 Math test has two subparts. Each subpart contains different types of questions. To begin the test, click the "Next" arrow button at the top.

Read the passage - 'VH983897_directions' - and answer the question below:

VH983897_directions

Subpart 1 of this test contains different types of assessment questions in Grade 3 Math. You may make notes on scratch paper or use the Notepad tool within the online test. Make sure you answer all the questions. You MAY NOT use a calculator in Subpart 1 of this test.

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

$$\frac{\square}{2} = 1$$

A. 1

B. 2

C. 4

D. 8

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2. There are 5 rows with 7 desks in each row.

What is the total number of desks?

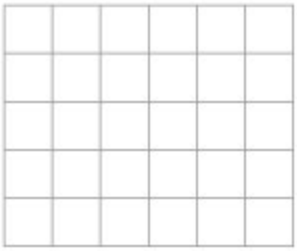
A. 2

B. 12

C. 28

D. 35

3. This rectangle is tiled with unit squares.



Which expression can be used to find the area of the rectangle?

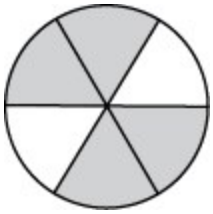
A. $6+5$

B. 6×5

C. $7+6$

D. 7×6

4. This circle shows equal-sized parts.



What fraction of the circle is shaded?

A. $\frac{4}{6}$

B. $\frac{2}{4}$

C. $\frac{2}{6}$

D. $\frac{1}{4}$

5. Which equation can be used to find the unknown number in $48 \div 8 = \square$?

A. $4 \times \square = 8$

B. $4 \times \square = 48$

C. $8 \times \square = 48$

D. $8 \div \square = 48$

6. Which quotients are equal to $2?$ Choose the **three** correct answers.

Pick up to 3 answers.

A. $6 \div 3$

B. $10 \div 5$

C. $18 \div 6$

D. $16 \div 4$

E. $12 \div 6$

F. $14 \div 2$

7. Randa has 15 markers. Peggy gives her 3 more markers. Randa and Peggy equally share all the markers.

How many markers do Randa and Peggy **each** have?

A. 3

B. 6

C. 8

D. 9

8. Which equations are **true**? Choose the **two** correct answers.

Pick up to 2 answers.

A. $8 \times 2 = 14$

B. $42 \div 7 = 8$

C. $32 \div 4 = 8$

D. $8 \times 7 = 42$

E. $8 \times 4 = 32$

F. $14 \div 2 = 8$

9. Which equations are **true**? Choose the **three** correct answers.

Pick up to 3 answers.

A. $(3 \times 2) \times 4 = 3 \times (2 \times 4)$

B. $4 \times 6 = 4 + 6$

C. $(5 + 1) \times 4 = 5 + (1 \times 4)$

D. $6 \times 4 = 4 \times 6$

E. $4 \times 6 = (4 \times 5) + (4 \times 1)$

10. Which products are equal to 36? Choose the **two** correct answers.

Pick up to 2 answers.

A. 6×6

B. 7×5

C. 3×6

D. 4×9

E. 9×7

11. Bella sold boxes of cookies to her neighbors to raise money for her basketball team. She sold:

- 4 boxes to Mr. Jacobs
- 6 boxes to Mrs. Harris

Each box had 9 cookies.

How many total cookies did Bella sell?

A. 10

B. 19

C. 90

D. 100

Read the passage - 'VH986838_directions' - and answer the question below:

VH986838_directions

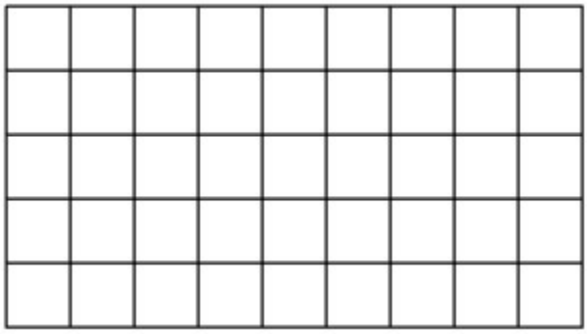
Subpart 2 of this test contains different types of assessment questions in Grade 3 Math. You may make notes on scratch paper or use the Notepad tool within the online test. Make sure you answer all the questions. You MAY use a calculator in Subpart 2 of this test.

12. Here is an equation.

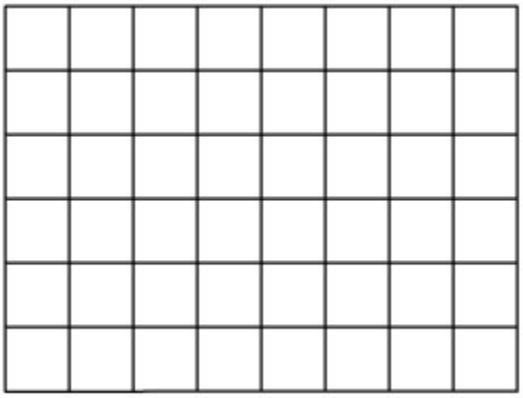
$6 \times 9 = 54$

The equation can be used to find the area, in square units, of which rectangle?

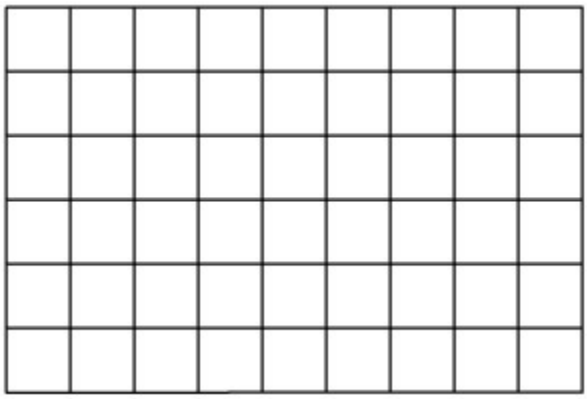
A.



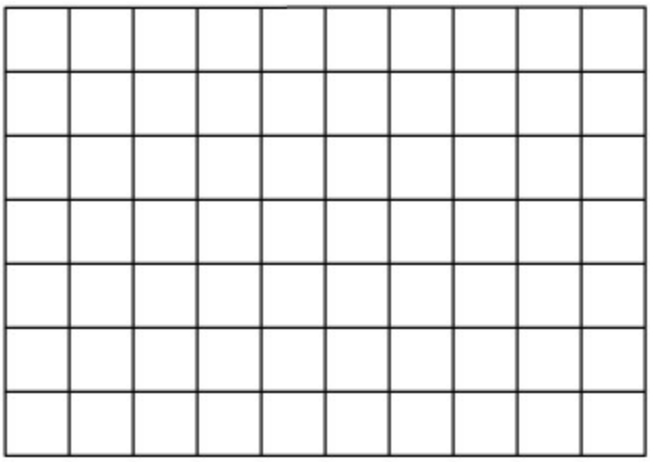
B.



C.



D.



13. Wilbur has 400 stickers.

- He gives 9 stickers each to 8 of his friends.
- He keeps the remaining stickers for himself.

Which is the **best** estimate of the number of stickers that Wilbur keeps for himself?

A. 40

B. 80

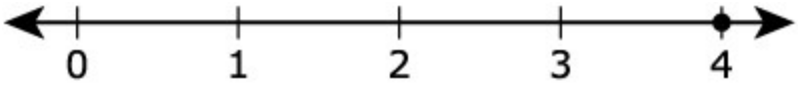
C. 330

D. 380

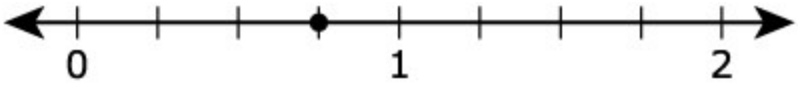
14. Which number lines have a point at $\frac{3}{4}$? Choose the **two** correct answers.

Pick up to 2 answers.

A.



B.



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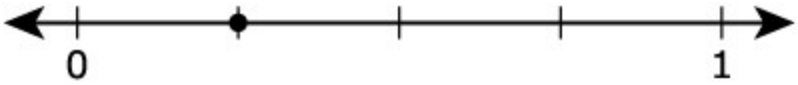
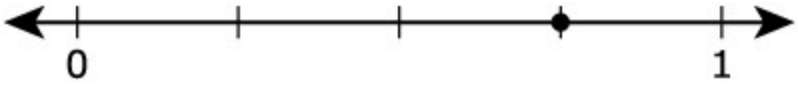


D.

E.



15. Avery uses a rule to make this pattern.

17, 41, 65, 89

Which number sentence shows the rule being used to find the next number in the pattern?

A. $89 + 24 = 113$

B. $89 + 34 = 123$

C. $89 + 65 = 154$

D. $89 + 72 = 161$

16. Rachel has 8 jelly beans. She has 1 red jelly bean.

What fraction of Rachel's jelly beans are red?

A. $\frac{8}{1}$

B. 1

C. $\frac{7}{8}$

D. $\frac{1}{8}$

17. A rectangular hallway is 3 feet wide and 9 feet long.

What is the area, in square feet, of the hallway?

A. 12

B. 16

C. 27

D. 39

18. Choose **all** the fractions equivalent to $\frac{2}{4}$.

Pick up to 5 answers.

A. $\frac{1}{2}$

B. $\frac{1}{3}$

C. $\frac{3}{6}$

D. $\frac{4}{6}$

E. $\frac{4}{8}$

19. Which is another equation that can be used to solve $56 \div 7 = a$?

A. $56 - 7 = a$

B. $56 - a = 7$

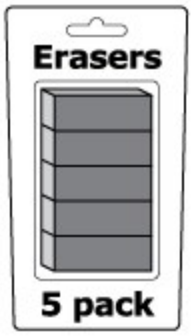
C. $a \times 56 = 7$

D. $a \times 7 = 56$

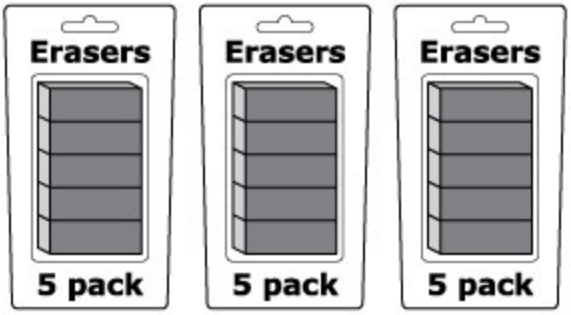
20. Susan is buying erasers for her class of 20 students at school. Each pack contains 5 erasers. Each student will receive one eraser.

Which picture shows how many packs of 5 erasers Susan needs to buy?

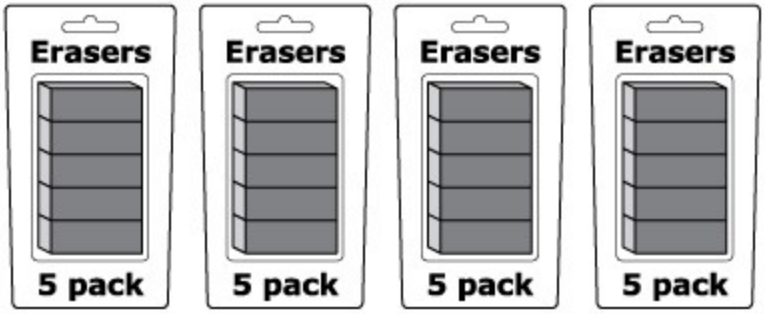
A.



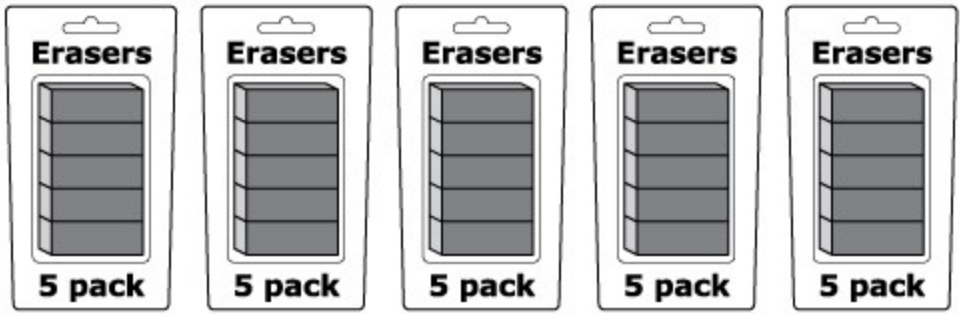
B.



C.



D.



21. A comparison is shown.

$\frac{5}{8} < \square$

Choose the **three** fractions that will make the comparison true.

Pick up to 3 answers.

A. $\frac{1}{8}$

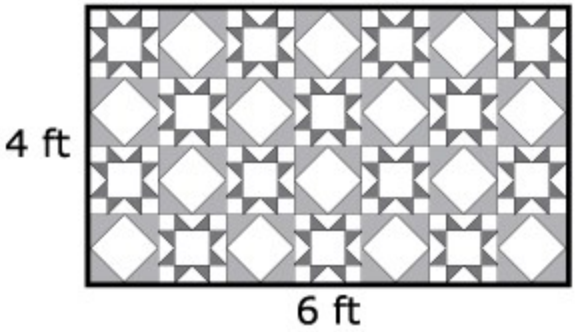
B. $\frac{5}{1}$

C. $\frac{5}{6}$

D. $\frac{5}{8}$

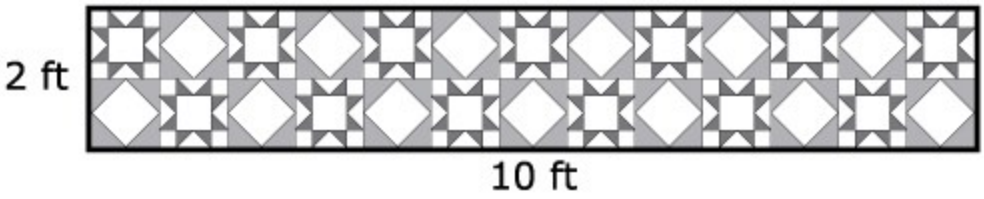
E. $\frac{6}{8}$

22. Nick has 2 blankets that have the same perimeter but different areas. One blanket is shown.

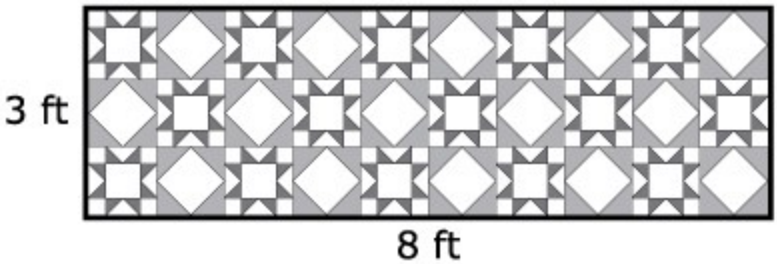


Which blanket could be Nick's other blanket?

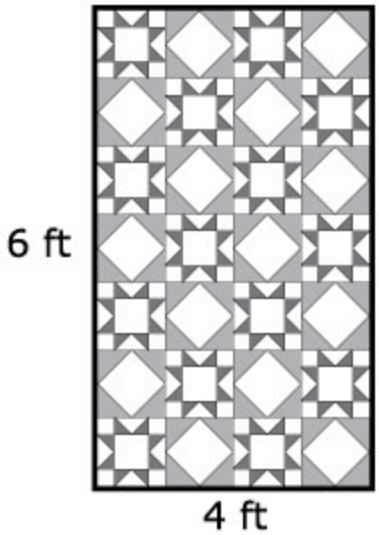
A.



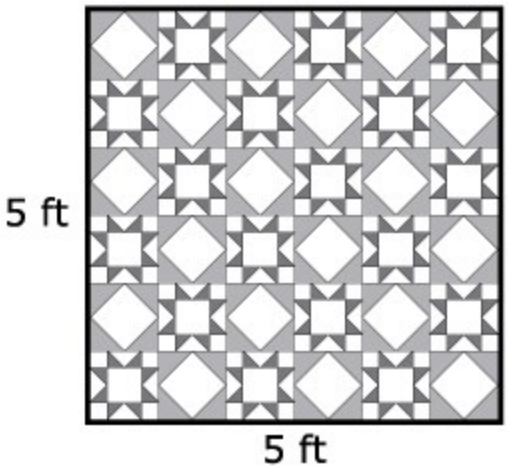
B.



C.

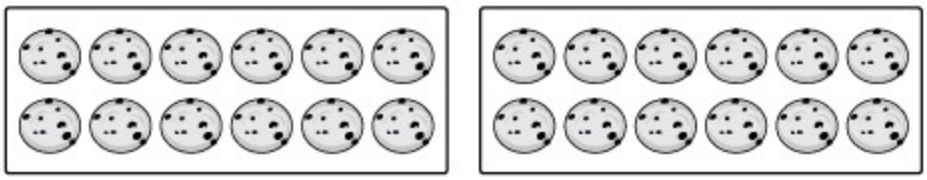


D.



23. Which picture shows $12 \div 6$?

A.



B.

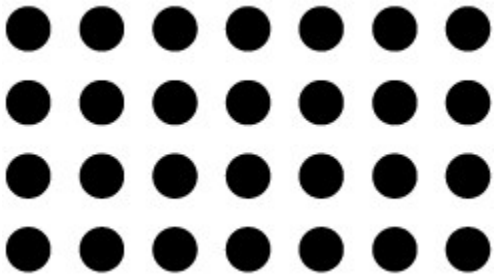
C.

D.

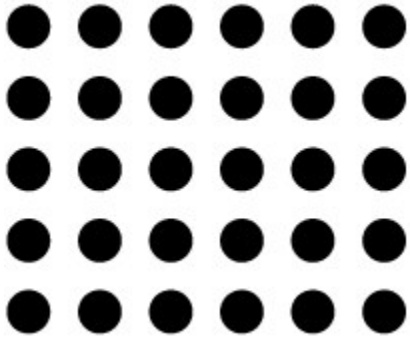
24. Liz is helping her teacher set up 32 chairs for the class play.

Which array shows one way Liz can set up all the chairs?

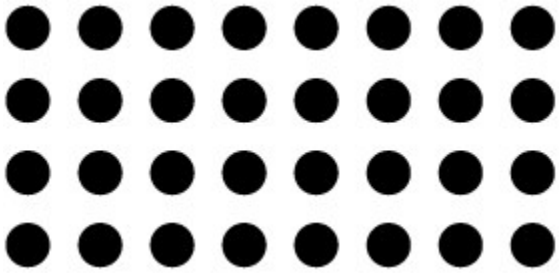
A.



B.



C.



D.