

1

$$\begin{array}{cccccc} X & X & X & X & X & X \\ X & X & X & X & X & X \\ X & X & X & X & X & X \end{array}$$

Which expression represents this array?

- a. 3×5
- b. 3×6
- c. 6×3
- d. 4×6

2

Judy has a collection of seashells. She fills 5 jars. Each jar contains 4 seashells. Which expression represents the total number of seashells Judy has?

- a. $5 + 5 + 5$
- b. $20 \div 5$
- c. $4 + 4 + 4 + 4 + 4$
- d. 3×5

3

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

- a. $? \times 4 = 36$
- b. $36 \times 4 = ?$
- c. $36 + 4 = ?$
- d. $? \div 4 = 36$

4 Which fact is not related to any of the other facts?

- a. $16 \div 2 = 8$
- b. $2 \times 8 = 16$
- c. $16 \div 4 = 4$
- d. $8 \times 2 = 16$

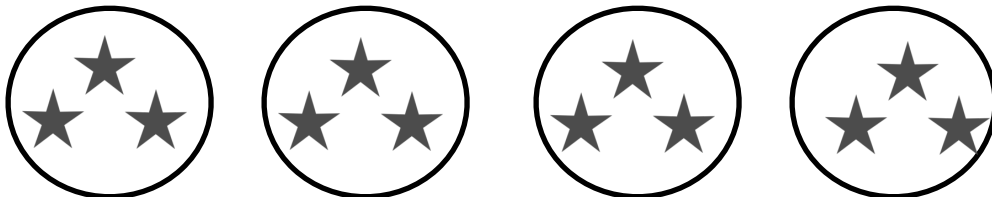
5 Which is equal to 6×4 ?

- a. $4 + 4 + 4 + 4$
- b. $6 + 4 + 6 + 4$
- c. $6 + 6 + 6 + 6 + 6 + 6$
- d. $4 + 4 + 4 + 4 + 4 + 4$

6 Which situation can be represented by $24 \div 4$?

- a. There are 24 boxes with 4 pencils in each box. How many total pencils are there?
- b. There are 24 people on a bus, and 4 people get off the bus. How many people are left?
- c. There are 24 books on a shelf, and 4 more books are put on the shelf. How many books are there total?
- d. There are 24 marbles that need to be sorted into 4 equal groups. How many marbles are in each group?

7



All of the following can represent this picture except:

- a. $4 + 4 + 4 + 4$
- b. 4 threes
- c. 4×3
- d. $3 + 3 + 3 + 3$

8

$3 \times \underline{\quad} = 7 \times 3$

What is the missing factor?

- a. 8
- b. 7
- c. 6
- d. 9

9

Tasha has 5 sheets of stickers. Each sheet has 8 stickers on it. Which equation can be used to find the total number of stickers that Tasha has?

- a. $5 + 8 = 13$
- b. $8 - 5 = 3$
- c. $40 \div 5 = 8$
- d. $5 \times 8 = 40$

10

Which shows the correct use of the distributive property to solve 8×6 ?

- a. $(8 \times 6) + (8 \times 6)$
- b. $(8 \times 4) + 2$
- c. $(4 \times 6) + (4 \times 6)$
- d. $8 + (6 \times 4)$

11

Mr. Jones plants 4 rows of tomatoes. There are 5 tomatoes in each row. Then he adds 2 more identical rows. Which equation represents the total amount of tomatoes Mr. Jones plants?

- a. $4 \times 5 = 20$
- b. $(4 \times 5) + (2 \times 5) = 30$
- c. $(4 \times 5) + 2 = 22$
- d. $(4 \times 5) \times 2 = 40$

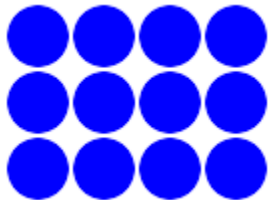
12 Brenda has 16 flowers. She puts the same number of flowers into 4 vases. How many flowers are in each vase?

- a. 4
- b. 20
- c. 12
- d. 32

13 Jackie buys 15 pizza for a party. There are 5 tables. She puts the same amount of pizzas on each table. What does the unknown represent?

- a. The total number of pizzas
- b. The number of tables
- c. The number of pizzas on each table
- d. The number of people at the party

14 Which of the following shows the correct skip counting?



- a. 3, 7, 9, 12
- b. 2, 4, 6, 8, 10, 12
- c. 4, 8, 12
- d. 4, 6, 10, 12

- 15 Sarah went to the store and bought 8 packages of stickers. Each package has 3 stickers. Her friend Martha gave her another package.

Which represents how many stickers Sarah has?

- a. 8×3
- b. 8 threes + 1 three
- c. $(8 + 3) + (1 + 3)$
- d. $(8 \times 3) + 1$

16

X X X X
X X X X
X X X X

Which array shows the commutative property?

a. X X X X
X X X X
X X X X
X X X X

b. X X X
X X X
X X X
X X X

c. X X
X X
X X

d. X X X X X
X X X X X

- 17** Mrs. Prescott plants 21 flowers in her garden. She arranges them in rows of 3. How many rows will she make? Show a model and your work.

Show your work below and provide an answer statement.

- 18** Eighteen cups are equally packed into boxes. There are 6 cups in each box. How many boxes are there?

Show your work below and provide an answer statement.

- 19 Jessica earns \$7 per week for doing all of her chores. On the fifth week, she forgets to do the dishes, so she only earns \$4. Write and solve an equation to show how much Jessica earns in 5 weeks.

Show your work below and provide an answer statement.

- 20 Jane pays \$32 for 4 packs of crayons. Each pack costs the same amount. What is the cost of 2 packs of crayons?

Show your work below and provide an answer statement.