

Name _____

Model with Arrays

COMMON CORE STANDARD CC.3.OA.3

Represent and solve problems involving multiplication and division.

Use square tiles to make an array. Solve.

1. How many rows of 4 are in 12?

3 rows

2. How many rows of 3 are in 21?

3. How many rows of 6 are in 30?

4. How many rows of 9 are in 18?

Make an array. Then write a division equation.

5. 20 tiles in 5 rows

6. 28 tiles in 7 rows

7. 18 tiles in 9 rows

8. 36 tiles in 6 rows

Problem Solving 

9. A dressmaker has 24 buttons. He needs 3 buttons to make one dress. How many dresses can he make with 24 buttons?

10. Liana buys 36 party favors for her 9 guests. She gives an equal number of favors to each guest. How many party favors does each guest get?

Lesson Check (CC.3.OA.3)

1. Mr. Canton places 24 desks in 6 equal rows. How many desks are in each row?

- (A) 2
- (B) 3
- (C) 4
- (D) 5

2. Which division equation is shown by the array?



- (A) $12 \div 6 = 2$
- (B) $12 \div 3 = 4$
- (C) $12 \div 2 = 6$
- (D) $12 \div 1 = 12$

Spiral Review (CC.3.OA.1, CC.OA.4, CC.3.OA.5, CC.3.OA.7)

3. Amy has 2 rows of 4 sports trophies on each of her 3 shelves. How many sports trophies does Amy have in all? (Lesson 4.6)

- (A) 8
- (B) 9
- (C) 12
- (D) 24

4. What is the unknown factor?

(Lesson 5.2)

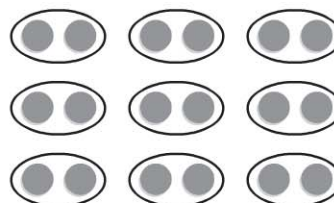
$$9 \times p = 45$$

- (A) 4
- (B) 5
- (C) 6
- (D) 7

5. Sam has 7 stacks with 4 quarters each. How many quarters does Sam have? (Lesson 4.5)

- (A) 11
- (B) 12
- (C) 24
- (D) 28

6. How can you skip count to find how many counters in all? (Lesson 3.1)



- (A) 3 groups of 2
- (B) 3 groups of 3
- (C) 9 groups of 2
- (D) 18 groups of 2