

ALGEBRA

Lesson 5.2

Name _____

Find Unknown Factors

COMMON CORE STANDARD CC.3.OA.4

Represent and solve problems involving multiplication and division.

Find the unknown factor.

1. $n \times 3 = 12$

Think: How many groups of 3 equal 12?

$n = \underline{4}$

2. $s \times 8 = 64$

$s = \underline{\hspace{2cm}}$

3. $21 = 7 \times n$

$n = \underline{\hspace{2cm}}$

4. $y \times 2 = 18$

$y = \underline{\hspace{2cm}}$

5. $5 \times p = 10$

$p = \underline{\hspace{2cm}}$

6. $56 = 8 \times t$

$t = \underline{\hspace{2cm}}$

7. $m \times 4 = 28$

$m = \underline{\hspace{2cm}}$

8. $\star \times 1 = 9$

$\star = \underline{\hspace{2cm}}$

9. $18 = 6 \times r$

$r = \underline{\hspace{2cm}}$

10. $u \times 5 = 30$

$u = \underline{\hspace{2cm}}$

11. $4 \times \blacksquare = 24$

$\blacksquare = \underline{\hspace{2cm}}$

12. $w \times 7 = 35$

$w = \underline{\hspace{2cm}}$

13. $b \times 6 = 54$

$b = \underline{\hspace{2cm}}$

14. $5 \times \blacktriangle = 40$

$\blacktriangle = \underline{\hspace{2cm}}$

15. $30 = d \times 3$

$d = \underline{\hspace{2cm}}$

16. $7 \times k = 42$

$k = \underline{\hspace{2cm}}$

Problem Solving



17. Carmen spent \$42 for 6 hats. How much did each hat cost?

18. Mark has a baking tray with 24 cupcakes. The cupcakes are arranged in 4 equal rows. How many cupcakes are in each row?

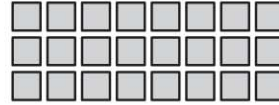
Lesson Check (CC.3.OA.4)

1. What is the unknown factor?

$$b \times 7 = 56$$

- (A) 6
- (B) 7
- (C) 8
- (D) 9

2. What is the unknown factor shown by this array?



$$3 \times \blacksquare = 24$$

- (A) 3
- (B) 6
- (C) 8
- (D) 9

Spiral Review (CC.3.OA.3, CC.3.OA.5)

3. Which is an example of the Commutative Property of Multiplication? (Lesson 3.6)

- (A) $6 + 4 = 4 + 6$
- (B) $4 \times 6 = 6 \times 4$
- (C) $4 \times 3 = 4 + 8$
- (D) $3 \times 6 = 9 \times 2$

4. Find the product. (Lesson 4.6)

$$5 \times (4 \times 2)$$

- (A) 13
- (B) 22
- (C) 40
- (D) 80

5. Which number sentence is an example of the Distributive Property? (Lesson 4.4)

- (A) $4 \times 7 = (4 \times 3) + (4 \times 4)$
- (B) $4 \times 7 = 7 \times 4$
- (C) $4 \times 7 = 28$
- (D) $7 \times 4 = 15 + 13$

6. In a group of 10 boys, each boy had 2 hats. How many hats did they have in all? (Lesson 4.2)

- (A) 5
- (B) 12
- (C) 20
- (D) 40