

Name _____

Factors and Divisibility

COMMON CORE STANDARD CC.4.OA.4
Gain familiarity with factors and multiples.

Is 6 a factor of the number? Write *yes* or *no*.

1. 36

2. 56

3. 42

4. 66

Think: $6 \times 6 = 36$

yes

Is 5 a factor of the number? Write *yes* or *no*.

5. 38

6. 45

7. 60

8. 39

List all the factor pairs in the table.

9.

Factors of 12	
____ × ____ = ____	____, ____
____ × ____ = ____	____, ____
____ × ____ = ____	____, ____

10.

Factors of 25	
____ × ____ = ____	____, ____
____ × ____ = ____	____, ____
____ × ____ = ____	____, ____

11. List all the factor pairs for 48. Make a table to help.

Problem Solving



12. Bryson buys a bag of 64 plastic miniature dinosaurs. Could he distribute them equally into six storage containers and not have any left over? **Explain.**

13. Lori wants to distribute 35 peaches equally into baskets. She will use more than 1 but fewer than 10 baskets. How many baskets does Lori need?

Lesson Check (CC.4.OA.4)

1. Which of the following numbers has 9 as a factor?
 (A) 28
 (B) 30
 (C) 39
 (D) 45
2. Which of the following numbers does NOT have 5 as a factor?
 (A) 15
 (B) 28
 (C) 30
 (D) 45

Spiral Review (CC.4.NBT.4, CC.4.NBT.5)

3. Which of the following shows a strategy to use to find 4×275 ? (Lesson 2.8)
 (A) $(4 \times 300) + (4 \times 25)$
 (B) $(4 \times 300) - (4 \times 25)$
 (C) $(4 \times 275) - 100$
 (D) $(4 \times 200) + 75$
4. Jack broke apart 5×216 as $(5 \times 200) + (5 \times 16)$ to multiply mentally. What strategy did Jack use? (Lesson 2.8)
 (A) the Commutative Property
 (B) the Associative Property
 (C) halving and doubling
 (D) the Distributive Property
5. Jordan has \$55. She earns \$67 by doing chores. How much money does Jordan have now? (Lesson 1.6)
 (A) \$122
 (B) \$130
 (C) \$112
 (D) \$12
6. Trina has 72 collector's stamps. She puts 43 of the stamps into a stamp book. How many stamps are left? (Lesson 1.7)
 (A) 29
 (B) 31
 (C) 39
 (D) 115