

Name _____

Model Factors

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

Use tiles to find all the factors of the product.
Record the arrays on grid paper and write the factors shown.

1. 15

$$1 \times 15 = 15$$

$$3 \times 5 = 15$$

1, 3, 5, 15

2. 30

3. 45

4. 19

5. 40

6. 36

7. 22

8. 4

9. 26

10. 49

11. 32

12. 23

Problem Solving



13. Brooke has to set up 70 chairs in equal rows for the class talent show. But, there is not room for more than 20 rows. What are the possible number of rows that Brooke could set up?

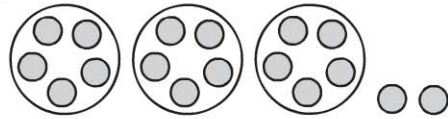
14. Eduardo thinks of a number between 1 and 20 that has exactly 5 factors. What number is he thinking of?

Lesson Check (CC.4.OA.4)

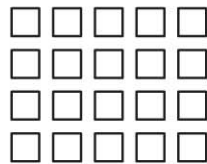
- Which of the following lists all the factors of 24?
 - (A) 1, 4, 6, 24
 - (B) 1, 3, 8, 24
 - (C) 3, 4, 6, 8
 - (D) 1, 2, 3, 4, 6, 8, 12, 24
- Natalia has 48 tiles. Which of the following shows a factor pair for the number 48?
 - (A) 4 and 8
 - (B) 6 and 8
 - (C) 2 and 12
 - (D) 3 and 24

Spiral Review (CC.4.OA.1, CC.4.NBT.5, CC.4.NBT.6)

- The Pumpkin Patch is open every day. If it sells 2,750 pounds of pumpkins each day, about how many pounds does it sell in 7 days? (Lesson 2.4)
 - (A) 210 pounds
 - (B) 2,100 pounds
 - (C) 14,000 pounds
 - (D) 21,000 pounds
- What is the remainder in the division problem modeled below? (Lesson 4.2)



- (A) 2
 - (B) 3
 - (C) 5
 - (D) 17
- Which number sentence is represented by the following array? (Lesson 2.1)
 - Channing jogs 10 miles a week. How many miles will she jog in 52 weeks? (Lesson 3.1)



- (A) $4 \times 5 = 20$
 - (B) $4 \times 4 = 16$
 - (C) $5 \times 2 = 10$
 - (D) $5 \times 5 = 25$
- (A) 30 miles
 - (B) 120 miles
 - (C) 200 miles
 - (D) 520 miles