



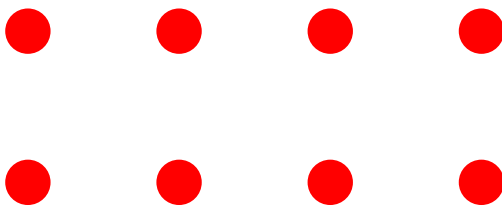
Grade 3

Chapter 02

Multiplication Facts and Strategies

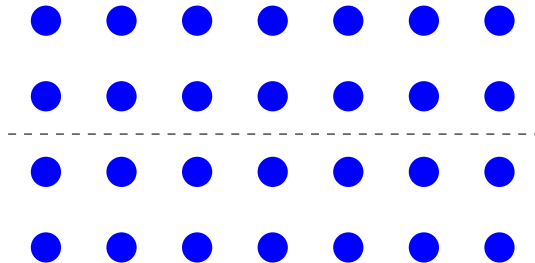
Use the Distributive Property

1. Use the distributive property to find the product.



$$\begin{aligned} 2 \times 4 &= 2 \times (\text{-----} + \text{-----}) \\ 2 \times 4 &= (\text{-----} \times \text{-----}) + (\text{-----} \times \text{-----}) \\ 2 \times 4 &= \text{-----} + \text{-----} \\ 2 \times 4 &= \text{-----} \end{aligned}$$

2.



$$4 \times 7 = (\text{ } + \text{ }) \times 7$$

$$4 \times 7 = (\text{ } \times \text{ }) + (\text{ } \times \text{ })$$

$$4 \times 7 = \text{ } + \text{ }$$

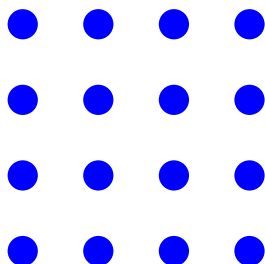
$$4 \times 7 = \text{ }$$

3. Explain how you can use the Distributive Property to find 5×12 .

4. A roller-coaster train has 9 rows of seats. There are 4 seats of each row. Can a group of 38 students ride the roller coaster at the same time?

Homework and Practice

2.



$$4 \times 4 = 2 \times (\text{ } + \text{ })$$

$$4 \times 4 = (\text{-----} \times \text{-----}) + (\text{-----} \times \text{-----})$$

$$4 \times 4 = \text{-----} + \text{-----}$$

$$4 \times 4 = \text{-----}$$

2. Your friend breaks apart an array into a 4×5 array and a 4×2 array. Draw a picture to show the original array.

3. Newton sleeps 9 hours each night. How many hours does he sleep in 1 week?

4. There are 3 lanes of cars sitting at a red light. Each lane has 6 cars in it. How many cars are sitting at the red light?

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