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Module 1 Number Sense
Lesson 4 Distributive Properties

Guided Practice

1.4

Set 1

Solve the following products using the Distributive Property as shown.

$$\begin{array}{l} 1 \quad 6 \cdot 4 = 6(3 + 1) \\ \quad \quad 18 + 6 = 24 \end{array}$$

$$\begin{array}{l} 2 \quad 2(14) = 2(10 + 4) \\ \quad \quad 20 + 8 = 28 \end{array}$$

Set 2

Solve the following products using the Distributive Property as shown.

$$\begin{array}{l} 1 \quad 14 \cdot 13 = (10 + 4)(10 + 3) \\ \quad \quad 100 + 30 + 40 + 12 = 182 \end{array}$$

$$\begin{array}{l} 2 \quad 12 \cdot 13 = (10 + 2)(10 + 3) \\ \quad \quad 100 + 30 + 20 + 6 = 156 \end{array}$$

Set 3

Solve the following products using the Distributive Property as shown.

$$\begin{array}{l} 1 \quad 7(16) = 7(20 - 4) \\ \quad \quad 140 - 28 = 112 \end{array}$$

$$\begin{array}{l} 2 \quad (15)(22) = 15(30 - 8) \\ \quad \quad 450 - 120 = 330 \end{array}$$

$$\begin{array}{l} 3 \quad (25)(18) = 25(20 - 2) \\ \quad \quad 500 - 50 = 450 \end{array}$$

Set 4

Use the Distributive Property to solve the following.

1

Eddie runs six miles each day. How many miles does he run in 18 days?

Eddie runs 108 miles in 18 days.

2

Trillian is a speed reader. She can read 87 pages an hour. How many pages can she read in 18 hours?

Trillian reads 1,566 pages in 18 hours.

3

Luria plays spaceball 26 minutes every day. How many minutes will she have played after 46 days?

Luria will play 1,196 minutes.