

Name \_\_\_\_\_

## Distributive Property

### Answer Key

$$\begin{aligned}(01). \quad 4 \times 18 &= 4 \times (20 - 2) \\ &= 4 \times 20 - 4 \times 2 \\ &= 80 - 8 \\ &= \mathbf{72}\end{aligned}$$

$$\begin{aligned}(02). \quad 3 \times 17 &= 3 \times (20 - 3) \\ &= 3 \times 20 - 3 \times 3 \\ &= 60 - 9 \\ &= \mathbf{51}\end{aligned}$$

$$\begin{aligned}(03). \quad 2 \times 15 &= 2 \times (20 - 5) \\ &= 2 \times 20 - 2 \times 5 \\ &= 40 - 10 \\ &= \mathbf{30}\end{aligned}$$

$$\begin{aligned}(04). \quad 8 \times 9 &= 8 \times (10 - 1) \\ &= 8 \times 10 - 8 \times 1 \\ &= 80 - 8 \\ &= \mathbf{72}\end{aligned}$$

$$\begin{aligned}(05). \quad 7 \times 28 &= 7 \times (30 - 2) \\ &= 7 \times 30 - 7 \times 2 \\ &= 210 - 14 \\ &= \mathbf{196}\end{aligned}$$

$$\begin{aligned}(06). \quad 5 \times 36 &= 5 \times (40 - 4) \\ &= 5 \times 40 - 5 \times 4 \\ &= 200 - 20 \\ &= \mathbf{180}\end{aligned}$$

$$\begin{aligned}(07). \quad 5 \times 29 &= 5 \times (30 - 1) \\ &= 5 \times 30 - 5 \times 1 \\ &= 150 - 5 \\ &= \mathbf{145}\end{aligned}$$

$$\begin{aligned}(08). \quad 9 \times 27 &= 9 \times (30 - 3) \\ &= 9 \times 30 - 9 \times 3 \\ &= 270 - 27 \\ &= \mathbf{243}\end{aligned}$$

$$\begin{aligned}(09). \quad 8 \times 49 &= 8 \times (50 - 1) \\ &= 8 \times 50 - 8 \times 1 \\ &= 400 - 8 \\ &= \mathbf{392}\end{aligned}$$

$$\begin{aligned}(10). \quad 6 \times 39 &= 6 \times (40 - 1) \\ &= 6 \times 40 - 6 \times 1 \\ &= 240 - 6 \\ &= \mathbf{234}\end{aligned}$$

$$\begin{aligned}(11). \quad 2 \times 98 &= 2 \times (100 - 2) \\ &= 2 \times 100 - 2 \times 2 \\ &= 200 - 4 \\ &= \mathbf{196}\end{aligned}$$

$$\begin{aligned}(12). \quad 3 \times 87 &= 3 \times (90 - 3) \\ &= 3 \times 90 - 3 \times 3 \\ &= 270 - 9 \\ &= \mathbf{261}\end{aligned}$$