

Distributive Property Multiplication (F)

Use the distributive property as shown to find each product.

$$\begin{aligned} 497 \times 3 &= 400 \times 3 + 90 \times 3 + 7 \times 3 \\ &= 1200 + 270 + 21 \\ &= 1491 \end{aligned}$$

$$\begin{aligned} 158 \times 4 &= \underline{\quad} \times 4 + \underline{\quad} \times 4 + \underline{\quad} \times 4 \\ &= 400 + 200 + 32 \\ &= 632 \end{aligned}$$

$$\begin{aligned} 633 \times 8 &= \underline{\quad} \times 8 + \underline{\quad} \times 8 + \underline{\quad} \times 8 \\ &= \underline{\quad} + \underline{\quad} + \underline{\quad} \\ &= 5064 \end{aligned}$$

$$\begin{aligned} 945 \times 9 &= \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad} \\ &= \underline{\quad} + \underline{\quad} + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 212 \times 8 &= \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad} \\ &= \underline{\quad} + \underline{\quad} + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 575 \times 4 &= \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad} \\ &= \underline{\quad} + \underline{\quad} + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 415 \times 8 &= \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad} \\ &= \underline{\quad} + \underline{\quad} + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

Distributive Property Multiplication (F) Answers

Use the distributive property as shown to find each product.

$$\begin{aligned} 497 \times 3 &= 400 \times 3 + 90 \times 3 + 7 \times 3 \\ &= 1200 + 270 + 21 \\ &= 1491 \end{aligned}$$

$$\begin{aligned} 158 \times 4 &= 100 \times 4 + 50 \times 4 + 8 \times 4 \\ &= 400 + 200 + 32 \\ &= 632 \end{aligned}$$

$$\begin{aligned} 633 \times 8 &= 600 \times 8 + 30 \times 8 + 3 \times 8 \\ &= 4800 + 240 + 24 \\ &= 5064 \end{aligned}$$

$$\begin{aligned} 945 \times 9 &= 900 \times 9 + 40 \times 9 + 5 \times 9 \\ &= 8100 + 360 + 45 \\ &= 8505 \end{aligned}$$

$$\begin{aligned} 212 \times 8 &= 200 \times 8 + 10 \times 8 + 2 \times 8 \\ &= 1600 + 80 + 16 \\ &= 1696 \end{aligned}$$

$$\begin{aligned} 575 \times 4 &= 500 \times 4 + 70 \times 4 + 5 \times 4 \\ &= 2000 + 280 + 20 \\ &= 2300 \end{aligned}$$

$$\begin{aligned} 415 \times 8 &= 400 \times 8 + 10 \times 8 + 5 \times 8 \\ &= 3200 + 80 + 40 \\ &= 3320 \end{aligned}$$