

Multiply across zeros

Name:

$$\begin{array}{r} 407 \\ \times 4 \\ \hline \end{array}$$

Estimate: **Not the real answer**
 $4 \times 400 = 1,600$

Distributive Property

$$4 \times 407 = (4 \times 400) + (4 \times 7)$$

$$= (\boxed{}) + (\boxed{})$$

real answer = $\boxed{}$
 final product

Partial Products

$$\begin{array}{r} 407 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{} \boxed{} \boxed{} \boxed{} \\ + \boxed{} \boxed{} \boxed{} \boxed{} \\ \hline \end{array}$$

Challenge question

$$3 \times 1,203 = \underline{\hspace{2cm}}$$

Estimate: **Not the real answer**

$$3 \times 1,200 = 3,600$$

Distributive Property

$$3 \times 1,203 = (3 \times 1,000) + (3 \times 200) + (3 \times 3)$$

$$= (\boxed{}) + (\boxed{}) + (\boxed{})$$

real answer = $\boxed{}$
 final product

Multiply with regrouping

$$\begin{array}{r} \boxed{} \\ + \\ 2,204 \\ \times 3 \\ \hline \end{array}$$

$$\boxed{}, \boxed{} \boxed{} \boxed{} \boxed{}$$

$$\begin{array}{r} \boxed{} \\ + \\ 1,105 \\ \times 5 \\ \hline \end{array}$$

$$\boxed{}, \boxed{} \boxed{} \boxed{} \boxed{}$$

Problem Solving

Neima School is collecting money to donate to a charity.
 AED 105 is collected each month.

How much money is collected in 7 months?

Use the distributive property

$$7 \times 105 = (7 \times 100) + (7 \times 5)$$

$$= (\boxed{}) + (\boxed{})$$

$$= \boxed{}$$

final product