

Multiply across zeros

Name:

4 0 7

$\times 4$

Estimate: ~~Not the real answer~~

$4 \times \underline{\quad} = 1,600$

Distributive Property

$$4 \times 407 = (\quad \times \quad) + (\quad \times \quad)$$

$$= (\quad) + (\quad)$$

real answer =

final product

Partial Products

4 0 7

$\times 4$

$\square \square$

0

+ $\square \square \square \square$

$\square \square \square \square$

Multiply with regrouping

$$\begin{array}{r} \square \\ 2,204 \\ \times \quad 3 \\ \hline \square, \square \square \square \end{array}$$

$$\begin{array}{r} \square \\ 1,105 \\ \times \quad 5 \\ \hline \square, \square \square \square \end{array}$$

Challenge question

$$3 \times 1,203 = \underline{\quad}$$

Estimate: ~~Not the real answer~~

$$3 \times \underline{\quad} = 3,600$$

Distributive Property

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

$$= (\quad) + (\quad) + (\quad)$$

real answer =

final product

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

$$7 \times 105 = (\quad \times \quad) + (\quad \times \quad)$$

$$= (\quad) + (\quad)$$

$$= \underline{\quad}$$

final product