

# Multiplication Strategies

## Array Model



$$2 \times 3 = 6$$



$$4 \times 3 = 12$$

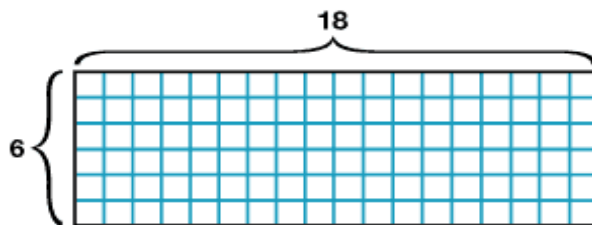


$$6 \times 2 = 12$$

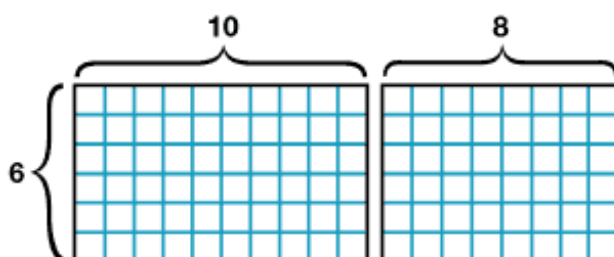


$$2 \times 4 = 8$$

## Area Model



$$6 \times 18 = 108$$



$$(6 \times 10) + (6 \times 8)$$

$$60 + 48 = 108$$

$$6 \times 18 = 108$$

## Partial Products

$$\begin{array}{r} 48 \\ \times 26 \\ \hline \end{array}$$

$$48 \quad 6 \times 8$$

$$240 \quad 6 \times 40$$

$$160 \quad 20 \times 8$$

$$800 \quad 20 \times 40$$

$$1,248$$

## Open Area Model

$$48 \times 26 = \square$$

$$40 \quad + \quad 8$$

20

+

6

20 x 40 = 800	20 x 8 = 160
6 x 40 = 240	6 x 8 = 48

$$800 + 240 + 160 + 48 = 1,248$$

$$48 \times 26 = 1,248$$