

# Distributive Property

... can help you do MENTAL MATH!

What is  $25 \times 18$  ?

THINK

$$25 \times (10 + 8)$$

$$= \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$= \underline{\hspace{2cm}}$$

so...  $25(10+8) = 25(10) + 25(8)$

PROVE:

$$\begin{array}{r} 25 \\ \times 18 \\ \hline \end{array}$$

OR

$$\begin{array}{r} 25 \\ \times 10 \\ \hline \end{array} + \begin{array}{r} 25 \\ \times 8 \\ \hline \end{array}$$