

Multiplication with

Strategy 1: Count On (from 5x)

$$\begin{aligned} & \mathbf{6 \times 7} \\ &= \mathbf{7 + 7 + 7 + 7 + 7 + 7} \\ & \quad \underbrace{\hspace{1.5cm}} \\ &= \mathbf{(5 \times 7) + 7} \end{aligned}$$

Strategy 2: Partial Products (Distributive Property)

$$\begin{aligned} & \mathbf{6 \times 7} \\ &= \mathbf{7 + 7 + 7 + 7 + 7 + 7} \\ & \quad \underbrace{\hspace{1.5cm}} \quad \underbrace{\hspace{1.5cm}} \\ &= \mathbf{(3 \times 7) + (3 \times 7)} \end{aligned}$$

$$\begin{aligned} & \mathbf{6 \times 7} \\ & \quad \curvearrowright \quad \curvearrowleft \\ &= \mathbf{(3 + 3) \times 7} \\ &= \mathbf{(3 \times 7) + (3 \times 7)} \end{aligned}$$

Strategy 3: Factors (& Associative Property of Multiplication)

$$\begin{aligned} & \mathbf{6 \times 7} \\ &= \mathbf{2 \times 3 \times 7} \\ & \quad \underbrace{\hspace{1.5cm}} \\ &= \mathbf{2 \times 21} \\ &= \mathbf{21 + 21} \end{aligned}$$