

Multiplication with

Strategy 1: Count On (from 6x)

$$\begin{aligned} & 7 \times 7 \\ &= 7 + 7 + 7 + 7 + 7 + 7 + 7 \\ &= \underbrace{7 + 7 + 7 + 7 + 7 + 7}_{(6 \times 7)} + 7 \end{aligned}$$

Strategy 2: Partial Products (Distributive Property)

$$\begin{aligned} & 7 \times 7 \\ &= 7 + 7 + 7 + 7 + 7 + 7 + 7 \\ &= \underbrace{7 + 7 + 7 + 7 + 7}_{(5 \times 7)} + \underbrace{7 + 7}_{(2 \times 7)} \end{aligned}$$

$$\begin{aligned} & 7 \times 7 \\ &= (5 + 2) \times 7 \\ &= (5 \times 7) + (2 \times 7) \end{aligned}$$