

9. Multi-Digit Multiplication

a)

$$\begin{aligned}24 \times 3 &= (20 + 4) \times 3 \\&= 20 \times 3 + 4 \times 3 \\&= 60 + 12 \\&= 72\end{aligned}$$

$$\begin{aligned}24 \times 13 &= (20 + 4) \times 13 \\&= 20 \times 13 + 4 \times 13 \\&= 20 \times (10 + 3) + 4 \times (10 + 3) \\&= 20 \times 10 + 20 \times 3 + 4 \times 10 + 4 \times 3 \\&= 200 + 60 + 40 + 12 \\&= 312\end{aligned}$$

9. Multi-Digit Multiplication

b)

$$35 \times 4 = \boxed{}$$

c)

$$123 \times 6 = \boxed{}$$

9. Multi-Digit Multiplication

d)

$$42 \times 15 = \boxed{}$$

e)

$$208 \times 7 = \boxed{}$$

f)

$$56 \times 23 = \boxed{}$$