

## STEP 5: MULTIPLY BY 0.1 AND 0.01

Complete the following calculations:

$$1) 82 \times 0.1 = 82 \times \frac{1}{10} = 82 \div 10 = \boxed{8.2}$$

$$2) 802 \times 0.1 = 80.2$$

$$3) 802 \times 0.01 = 8.02$$

$$4) 80.2 \times 0.1 = 8.02$$

$$5) 80.2 \times 0.01 = 0.802$$

## STEP 6: CONVERT METRIC UNITS

Complete the following conversions:

$$1) 4 \text{ km} = \underline{4000} \text{ m}$$

$$4) 0.8 \text{ m} = \underline{80} \text{ cm}$$

$$2) 20000 \text{ cm} = \underline{200} \text{ m}$$

$$5) 6.3 \text{ L} = \underline{6300} \text{ ml}$$

$$3) 30000 \text{ g} = \underline{30} \text{ kg}$$

$$6) 7 \text{ cm} = \underline{0.007} \text{ km}$$

$0.7 \text{ m}$

## STEP 7: FORMAL METHODS. MULTIPLY INTEGERS

Complete these calculations:

$$1) \begin{array}{r} 187 \\ \times 69 \\ \hline 1683 \end{array}$$

3) Product of 84 and 12

$$\begin{array}{r} \phantom{0}84 \\ \times 12 \\ \hline 168 \\ 840 \\ \hline 1008 \end{array}$$

$$2) \begin{array}{r} 282 \\ \times 17 \\ \hline 1974 \end{array}$$

4)  $63 \times 99$

$$\begin{array}{r} \phantom{0}99 \\ \times 63 \\ \hline 297 \\ 5940 \\ \hline 6237 \end{array}$$

## STEP 8: FORMAL METHODS. MULTIPLY DECIMALS

$$\text{If } 42 \times 137 = 5754$$

Find:

$$1) 4.2 \times 137 = 575.4 \quad 5) 42 \times 1.37 = 57.54$$

$$2) 0.42 \times 137 = 57.54 \quad 6) 4.2 \times 13.7 = 575.4$$

$$3) 420 \times 137 = 57540 \quad 7) 0.42 \times 1370 = 575.4$$

$$4) 4200 \times 137 = 575400 \quad 8) 420 \times 1370 = 575400$$