

Type Two: Finding the Whole amount (100%)

Example 5: Granny lives 177 km away from Jenny.

That is 30% of the distance to Jenny's cousins' house.

How far from Jenny do her cousins live?

Step 1: 177 km = 30% or 177 km is 30%.

Step 2: Change percentage into a fraction.

$$30\% = \frac{30}{100} = \frac{3}{10}$$

$$\text{So } \frac{3}{10} = 177 \text{ km.}$$

Step 3: Get $\frac{1}{10}$ of 177 km

$$3 \overline{) 177} \begin{array}{r} 059 \\ \underline{3} \\ 059 \\ \underline{3} \\ 000 \end{array} = 59 \text{ km}$$

(divide by 3 which is top of the fraction $\frac{3}{10}$)

Step 4: Find $\frac{10}{10}$ or 100%

$$59 \times 10 = 590 \text{ km} \quad (\text{multiply by top of fraction})$$

So Jenny lives 590 km away from her