

Type Two: Finding the whole amount (100%).

Example 4: One evening, Gerard spent 35 minutes doing his project. That was 25% of the time he spent on homework.
How long did he spend on homework?

$$25\% = 35 \text{ minutes} \quad \text{or} \quad 25\% \text{ is } 35 \text{ minutes}$$

$$25\% = \frac{1}{4} \quad (\text{change percentage into a fraction}).$$

$$\text{So } \frac{1}{4} = 35 \text{ minutes.}$$

Now I need to find the total time Gerard spent at homework. This is 100% or $\frac{4}{4}$.

$$\text{If } \frac{1}{4} = 35 \text{ minutes}$$

$$\frac{\textcircled{4}}{4} = 35 \times 4 = 140 \text{ minutes} \quad (\text{multiply } 35 \text{ by the number on top of the fraction}).$$

$$140 \text{ minutes} = 2 \text{ hours and } 20 \text{ minutes.}$$

$$\text{Remember: } \frac{1}{4} = 25\%$$

$$\frac{4}{4} = 100\%$$