

Type Two: Finding the whole amount (100%)

Example Three: John lost 50% of his money
If he lost €5.86, how much had he at first?

$$€5.86 = 50\% \quad (\text{€}5.86 \text{ money}) \text{ equates to } 50\% \text{ of the}$$

$$50\% = \frac{1}{2} \quad [\text{change percentage into a fraction}]$$

$$\text{So } \frac{1}{2} = €5.86 \quad \left(\begin{array}{l} \text{A half equals } €5.86. \\ \text{It is NOT } \frac{1}{2} \text{ of } €5.86 \end{array} \right)$$

To find the total amount John had at first, we need to find $\frac{2}{2}$ or 100%

$$\text{So } €5.86 \times 2 = €11.72 \quad (\text{multiply by top of fraction})$$

Thus John had €11.72 at first.

$$\text{Remember: } \frac{1}{2} = 50\%$$

$$\frac{2}{2} = 100\%$$