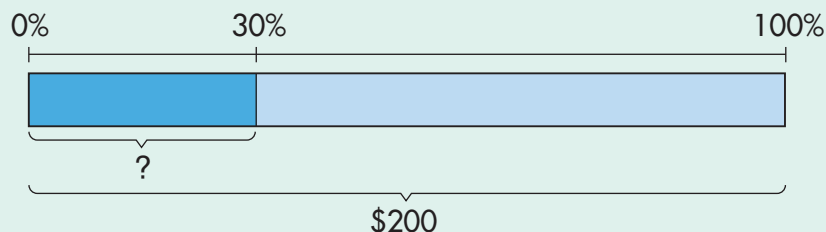


Percentage of a Quantity



Tom had \$200. He spent 30% of his money on a soccer ball. How much did the ball cost?



Method 1

$$\begin{aligned} \text{Cost} &= 30\% \text{ of } \$200 \\ &= \frac{30}{100} \times \$200 \\ &= \$60 \end{aligned}$$

Method 2

$$\begin{aligned} 100\% &\longrightarrow \$200 \\ 1\% &\longrightarrow \$200 \div 100 \\ 30\% &\longrightarrow \$2 \times 30 \\ &= \$60 \end{aligned}$$

100% of the money is \$200.
What is 30%?

$$\begin{aligned} 100\% &\longrightarrow \$200 \\ 10\% &\longrightarrow \$20 \\ 30\% &\longrightarrow \$20 \times 3 \\ &= \$60 \end{aligned}$$



The ball cost \$60.

