

Percent Notes

47

Percent \rightarrow Ratio with a denominator of 100
Ex 25% = $\frac{25}{100}$

Ex: 30% of \$200

$\frac{\#}{100} = \frac{\text{part}}{\text{whole}}$

$$\textcircled{1} \frac{30}{100} = \frac{x}{200}$$

$$\frac{100x}{100} = \frac{6000}{100}$$

$$x = \$60$$

$$\textcircled{2} .30 \times 200 = \$60$$

Find % of a Number

\leftarrow (2 ways \rightarrow use Proportion or Decimal)

Discount \rightarrow % of original price

$$\text{Discount price} = \text{original price} - \text{discount}$$

% increase \leftarrow Marks \oplus Up
in original price

Tax $\oplus \rightarrow$ \$ collected on
top of original price

% added \leftarrow Tip \oplus
for service

Commission $\oplus \rightarrow$ profit (extra money)