PERCENTAGE

WHAT # → x	WHAT % → $\frac{x}{100}$	OF → ·	IS → =	25% = 0.25

Ex 1) What is 25% of 800?

$x = .25 \cdot 800$

$x = 200$

Ex 2) 54 is what percent of 60?

$54 = \frac{x}{100} \cdot 60$ *multiply left by 100

$540 = 60x$

divide by 60 $x = 9$

Ex 3) 75% of 300 is what #?

$0.75 \cdot 300 = x$

$x = 225$

Ex 4) 42 is 70% of what #?

$42 = 0.70 \cdot x$

$42 = 0.70x$

divide by 0.70 $x = 60$

Ex 5) What is 7% of 40?

$x = 0.07 \cdot 40$

$x = 2.8$

Ex 6) 240 is what % of 300

$240 = \frac{x}{100} \cdot 300$ *multiply left by 100

$24000 = 300x$

divide by 300 $x = 80$

Ex 7) What is $\frac{2}{3}$ of 40% of 900?

$x = \frac{2}{3} \cdot 0.40 \cdot 900$

$x = 240$

Ex 8) What is 7% of 30% of 400?

$x = 0.07 \cdot 0.30 \cdot 400$

$24000 = 300x$

divide by 300 $x = 8.4$

Ex 9) If 40% of a # is 20, what is 60% of that #?

$0.40 \cdot x = 20$

divide by 0.40 $x = 50 \rightarrow 0.60 \cdot 50 = 30$

Ex 10) If 5% of a # is 3, what is 20% of that #?

$0.05 \cdot x = 3$

divide by 0.05 $x = 60 \rightarrow 0.20 \cdot 60 = 12$