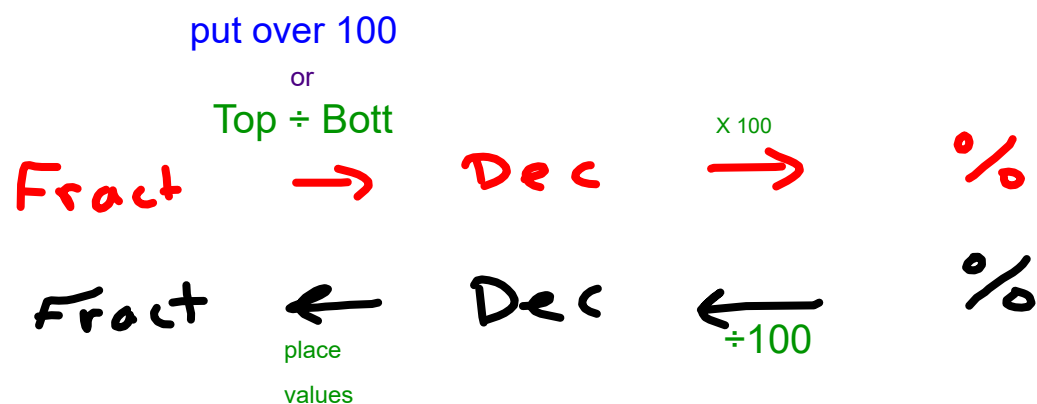




% Mentally

Ex) 10% of 85 = 8.5

10% of # is like $\div$ by 10 $\uparrow$

$\rightarrow$ can be use to get 20%, 30%, 40%, 50%, 60%, ... by using multiply

Ex) 70% of 140 $\Rightarrow$
 $\downarrow$ start with 10%

10% of 140 = 14
 $\swarrow \times 7$ $\searrow \times 7$
 70% of 140 = 98

Use 10% to get 5% of a number

Ex) 5% of 126

start with 10% of 126 = 12.6
 $\downarrow$ To get 5% $\downarrow \div 2$
 $\div 2$

5% of 126 = 6.3

25% of a number is like divide # by 4

Ex) 25% of 120 = 30
 (like $120 \div 4$)

$\rightarrow$ 75% of a number, first find 25% of # then multiply answer by 3 to get 75% of #

Ex) 75% of 240

$\downarrow$ start with
 25% of 240 = 60
 $\times 3$
 $\hline$
 75% of 240 = 180

Mentally % of # continued

50% of a number is like $\div \#$ by 2

Ex) 50% of 140 = 70
(like $140 \div 2$)

1% of a number is like $\div \#$ by 100 $\curvearrowright$

Ex) 1% of 180 = 1.80

→ use this to get multiplies 2%, 3%, 4%...
by multiplying answer by factor

Ex) 7% of 2800 =

↓ start with 1% of 2800 = 28
($\times 7$) $\times 7$

7% of 2800 = 196

15% of number → find 10% of number
then
5% of number

Then add answers

Ex) 15% of 200

↓ start with 10% of 200 = 20
 $\downarrow \div 2$

$\div 2$ ↓
5% of 200 = 10

15% of 200 = $(20 + 10) = \boxed{30}$

$$\begin{aligned}\text{Tax \$} &= 15\% \times \text{Price} \\ &= 0.15 \times \text{Price}\end{aligned}$$

$$\text{Cost with Tax} = \text{Price} + \text{Tax \$}$$

$$\begin{aligned}\text{Save Discount \$} &= \% \times \text{Price} \\ &= \underline{\hspace{1cm}} \times \text{Price}\end{aligned}$$

$$\text{Sales Price} = \text{Price} - \text{Saved Discount \$}$$

$$\% \text{ Diff} = \frac{\text{Diff}}{\text{Original}} \times 100$$

Remember
Difference
= Big - Small