

4.3 Percent of a Number

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To calculate % of a #, do the following

- 1 write % as decimal
- 2 multiply by the #

Ex #1

"of" in math means \times

$$\begin{aligned} \text{a) } 12\frac{1}{2}\% \text{ of } 50 &= 0.125 \times 50 = \boxed{6.25} \\ \text{b) } 10\% \text{ of } 40.12 &= 0.10 \times 40.12 = \boxed{4.012} \end{aligned}$$

Ex #2 calculate GST (5%) and PST (6%) of a jacket that costs \$200

METHOD 1

$$\begin{aligned} \$200 \times 0.05 \\ = 10 \end{aligned}$$

$$\begin{aligned} \$200 \times 0.06 \\ = 12 \end{aligned}$$

$$\$200 + 10 + 12$$

$$= \boxed{\$222}$$

METHOD 2

$$5\% + 6\% = 11\%$$

$$0.11 \times \$200$$

$$= \$22 + 200$$

$$= \boxed{\$222}$$

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