

MATHEMATICS



Topic: Problem Solving (Percentages)

❖ “Note” Percentage is a fraction out of one hundred.
“Percent ‘means’ per one hundred”.



❖ For example $25\% = \frac{25}{100}$ which can be simplified to $\frac{1}{4}$.

❖ To find a percentage of a whole number, you need to multiply the whole number by a fraction over one hundred.

Worked example

1 Find 20% of R240

$$= \frac{20}{100} \times 240$$

$$= \frac{20 \times 240}{100}$$

$$= \frac{4800}{100}$$

$$= R48$$

2. What percentage does 35 out of 125?

$$= \frac{35}{125} \times \frac{100}{1}$$

$$= \frac{3500}{125}$$

$$= 28\%$$



Exercises

Exercise 13.7 pg 167

- 1.
- 2.
- 3.
- 4.
- 5.

Exercise 13.8

- 1.
- 2.
- 3.