



Grade 8

Mathematics

Unit : 18 – Percentages

**Part I**

- (1) Express the following percentage as a fraction 150%.
- (2) Express 20% as a ratio.
- (3) Express 2 : 5 as a percentage.
- (4) Express the first value of each pair given below as a percentage of the second value.
  - a) 25 cm from 1m
  - b) 30 minutes from 1 hour

- (5) If 25% of a person's salary is Rs. 30 000, how much is his salary?

- (6) Fill in the blanks.

$$2 : 3$$

$$= \frac{2}{3} : \square$$

$$= \frac{2}{3} \times \square : 1 \times \square$$

$$= \square : 100$$

agaram.lk

**Part II**

- (1) i) Express the following percentage as a fraction and simplify it.  
32%
- ii) Write the corresponding percentage for each of the following ratios.  
a) 13 : 10                      b) 3 : 2
- iii) 30 boys and 25 girls are in the 7A class.  
a) Write the ratio of boys to the total students and write the corresponding percentage.  
b) Write the ratio of girls to the total students and write the corresponding percentage.
- (2) i) Express the first value of each pair given below as a percentage of the second value.  
a) 300 ml from 900 ml  
b) 25 cm from 2 m
- ii) Mr. Saman's monthly salary is Rs. 50 000. He spends Rs. 20 000 on food. Rs. 10 000 on transport and the rest of his salary on other expenses.  
a) Find the amount spent on food as a percentage of his salary.  
b) Find the amount spent on transport as a percentage of his salary.

agaram.lk

**Prepared by : N.G. Koshila**