

MONTH : NOVEMBER

SESSION : 9

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 13

CHAPTER NAME : PERCENTAGE

**SUB-TOPIC : EXPRESSING A FRACTION AND DECIMAL AS PERCENTAGE
AND VICE VERSA**

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE :

Enable the students

- To convert fractions to percentage and vice versa
- To convert decimals to percentage and vice versa



PERCENTAGE

A fractional number with hundred as the denominator is called as Percentage.

% The symbol of percentage

WHERE HAVE I SEEN % ?

	A	B	C	D	E
1	Student	Score	Percentage		
2	Ralph	38	95.0%		
3	Amy	31	77.5%		
4	Fatima	35	87.5%		
5	Yeong	37	=B5/40		
6					
7					



FINDING PERCENTAGE %

$$\text{a. } \frac{17}{40}$$
$$\frac{17}{\frac{40}{2}} \times \overset{5}{100} = \frac{85}{2} = 42.5 \%$$

MULTIPLY
100

$$\text{b. } 0.8974 = 0.8974 \times 100 = 89.74 \%$$



FINDING FRACTION OR DECIMAL

$$\text{a. } 43 \% = \frac{43}{100}$$

$$\text{b. } 66 \% = \frac{66}{100} = 0.66$$

DIVIDE
100



EXERCISE 13 A

1. Express the following as percentage.

a. $\frac{37}{100} = 37\%$

b. $\frac{18}{100} = 18\%$

2. Express the following as fraction with 100 as denominator.

a. $41\% = \frac{41}{100}$

b. $56\% = \frac{56}{100}$



EXERCISE 13 A

3. Express the following as percentage.

$$\text{a. } \frac{1}{4} = \frac{1}{\cancel{4}} \times \frac{25}{\cancel{100}} = 25\%$$

$$\text{b. } \frac{9}{10} = \frac{9}{\cancel{10}} \times \frac{10}{\cancel{100}} = 90\%$$

4. Express the following as fraction in its lowest term.

$$\text{a. } 38\% = \frac{38}{100} = \frac{19}{50}$$

$$\text{b. } 47\% = \frac{47}{100}$$



EXERCISE 13 A

5. Express the following as decimal fraction

a. $13\% = \frac{13}{100} = 0.13$

b. $24\% = \frac{24}{100} = 0.24$

6. Express the following as percentage.

a. $0.58 = 0.58 \times 100 = 58\%$

b. $0.483 = 0.483 \times 100 = 48.3\%$



EXERCISE 13 A

7. Which of the following is equivalent to 5% ?

i. 0.5

ii. 0.05

iii. 5

iv. 0.005

$$\frac{5}{100} = 0.05$$

8. Which of the following is equivalent to 12.5% ?

i. 1.25

ii. 0.0125

iii. 125

iv. 0.125

$$\frac{12.5}{100} = \frac{125}{10} \times \frac{1}{100} = \frac{125}{1000} = 0.125$$



EXERCISE 13 A

9. Which of the following is equivalent to 7.5 ?

i. 75 %

ii. **750%**

iii. 0.75%

iv. 7.5 %

$$7.5 \times 100 = 750\%$$

10. Which of the following is equivalent to 6.08 ?

i. 60.8 %

ii. 6.08%

iii. **608%**

iv. 0.608 %

$$6.08 \times 100 = 608\%$$





- **Complete exercise 13 A in the note book.**



Learning Outcomes

Students are able to:

- Find the percentage of a given fraction
- Find the percentage of a given decimal.
- Find the fraction if percentage is given.
- Find the decimal if percentage is given.

THANKING YOU
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