

◦ MONTH : DECEMBER

SESSION : 24

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 16

CHAPTER NAME : MEASUREMENT

SUB-TOPIC : EXPRESS METRIC UNITS USING DECIMAL NOTATIONS

EXERCISE- 16 A

**CHANGING YOUR TOMORROW**

## **LEARNING OBJECTIVE :**

**Enable learners :**

- **To identify the units for measurement.**
- **To express the units in decimal .**

## EXPRESSING MEASURING UNITS IN DECIMAL.

Express the following in km and kg

a. 2563 m =

$$1 \text{ km} = 1000 \text{ m}$$

$$2563 \text{ m} = \frac{2563}{1000}$$

$$= 2.563 \text{ km}$$

b. 9087 g =

$$1 \text{ kg} = 1000 \text{ g}$$

$$9087 \text{ g} = \frac{9087}{1000}$$

$$= 9.087 \text{ kg}$$

Express the following in m and cm

a. 253 cm =

$$1 \text{ m} = 100 \text{ cm}$$

$$253 \text{ cm} = \frac{253}{100}$$

$$= 2.53 \text{ m}$$

b. 9.23 m =

$$1 \text{ m} = 100 \text{ cm}$$

$$9.23 \text{ m} = 9.23 \times 100$$

$$= 923 \text{ cm}$$

## EXERCISE 16 A

13. Express in kg using decimal notation.

a.  $4153 \text{ g} = 4153 \div 1000 = \mathbf{4.153 \text{ kg}}$

b.  $3000 \text{ g} = 3000 \div 1000 = \mathbf{3 \text{ kg}}$

c.  $3856 \text{ g} = 3856 \div 1000 = \mathbf{3.856 \text{ kg}}$

d.  $31636 \text{ g} = 31636 \div 1000 = \mathbf{31.636 \text{ kg}}$

14. Express in g

a.  $4.3 \text{ kg} = 4.3 \times 1000 = \mathbf{4300 \text{ g}}$

b.  $19.63 \text{ kg} = 19.63 \times 1000 = \mathbf{19630 \text{ g}}$

c.  $35.365 \text{ kg} = 35.365 \times 1000 = \mathbf{35365 \text{ g}}$

d.  $36.3 \text{ kg} = 36.3 \times 1000 = \mathbf{36300 \text{ g}}$



## EXERCISE 16 A

15. Express in km using decimal notation.

a.  $365 \text{ m} = 365 \div 1000 = \mathbf{0.365 \text{ km}}$

b.  $660 \text{ m} = 660 \div 1000 = \mathbf{0.66 \text{ km}}$

c.  $99 \text{ m} = 99 \div 1000 = \mathbf{0.099 \text{ km}}$

d.  $588 \text{ m} = 588 \div 1000 = \mathbf{0.588 \text{ km}}$

16. Express in m

a.  $1.5 \text{ km} = 1.5 \times 1000 = \mathbf{1500 \text{ m}}$

b.  $2.25 \text{ km} = 2.25 \times 1000 = \mathbf{2250 \text{ m}}$

c.  $5.75 \text{ km} = 5.75 \times 1000 = \mathbf{5750 \text{ m}}$

d.  $0.8 \text{ km} = 0.8 \times 1000 = \mathbf{800 \text{ m}}$



## EXERCISE 16 A

17. Express in m using decimal notation.

a.  $50 \text{ cm} = 50 \div 100 = \mathbf{0.5 \text{ m}}$

b.  $100 \text{ cm} = 100 \div 100 = \mathbf{1 \text{ m}}$

c.  $125 \text{ cm} = 125 \div 100 = \mathbf{1.25 \text{ m}}$

d.  $500 \text{ cm} = 500 \div 100 = \mathbf{5 \text{ m}}$



18. Express in cm

a.  $0.15 \text{ m} = 0.15 \times 100 = \mathbf{15 \text{ cm}}$

b.  $0.05 \text{ m} = 0.05 \times 100 = \mathbf{5 \text{ cm}}$

c.  $2.75 \text{ m} = 2.75 \times 100 = \mathbf{275 \text{ cm}}$

d.  $3.25 \text{ m} = 3.25 \times 100 = \mathbf{325 \text{ cm}}$





**Complete Exercise 16 A the 1<sup>st</sup> four of q.no. 13 to 18**

The logo for 'Learning Outcomes' features the words 'Learning' and 'Outcomes' in a large, bold, black font with a yellow outline. Above the letter 'i' in 'Learning' is a small red apple with a green leaf. To the left of the word 'Outcomes' is a blue graduation cap with a tassel.

# Learning Outcomes

**Students are able:**

- To identify the units for measurement..
- To express the units of measurement in decimal.



**THANKING YOU**  
**ODM EDUCATIONAL GROUP**