

◦ MONTH : DECEMBER

SESSION : 25

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 16

CHAPTER NAME : MEASUREMENT

SUB-TOPIC : FUNDAMENTAL OPERATIONS IN METRIC MEASURE

EXERCISE 16 B

**CHANGING YOUR TOMORROW**

## **LEARNING OBJECTIVE :**

**Enable learners :**

- **To identify the units for measurement.**
- **To express the units in decimal .**
- **To add, subtract and multiply the units of measurement in decimal.**

## RE-CAP

Expressing units in decimal notation:

a.  $56 \text{ kg } 7 \text{ hg } 3 \text{ dag } 2 \text{ g} = 56.732 \text{ kg}$

b.  $2 \text{ dm } 8 \text{ m} = 0.208 \text{ m}$

c.  $5 \text{ g } 5 \text{ cg } 7 \text{ mg} = 5.057 \text{ g}$

d.  $6 \text{ kL } 6 \text{ hL } 2 \text{ L} = 6.602 \text{ kL}$

e.  $8 \text{ m } 9 \text{ dm } 4 \text{ cm } 1 \text{ mm} = 8.941 \text{ m}$

As we have already learned about expressing units in decimal , Today we'll solve operations in metric measure.



### Measuring Mass



kilo-	hecto-	deka-	(unit)	deci-	centi-	milli-
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**KING HENRY (USUALLY) CHOCOLATE**  
**DOESN'T DRINK MILK**



# EXPRESSING IN DECIMAL AND OPERATIONS.

1. Express in decimal then add

a. 6 m 7 dm 2 cm 5 mm : 2 dm 3 cm 1 mm

$$\begin{array}{r} 6.725 \\ + 0.231 \\ \hline 6.956 \end{array}$$



2. Express in decimal and subtract

a. 100 kL 265L from 326 kl 003 l

$$\begin{array}{r} 326.003 \\ - 100.265 \\ \hline 225.738 \end{array}$$

## Measuring Mass



kilo-	hecto-	deka-	(unit)	deci-	centi-	milli-
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# EXPRESSING IN DECIMAL AND OPERATIONS.

3 . Express in decimal then multiply

a. 6 hm 5 dam 8 m by 23

$$\begin{array}{r} 0.658 \\ \times \quad 23 \\ \hline 1.974 \\ 13.160 \\ \hline \mathbf{15.134} \end{array}$$



## Measuring Mass



kilo-	hecto-	deka-	(unit)	deci-	centi-	milli-
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## EXERCISE 16 B

I. Express in decimal and then add

a. 2 km 6 hm 4 dam 2 m : 8 km 8 dam : 10 km 6 hm 2 dam 8 m

$$\begin{array}{r} 2.642 \\ + 8.080 \\ \hline 10.628 \end{array}$$

**21.350**

Ans. 21.350 km

b. 6 m 7 dm 2 cm 5 mm : 8 m 8 dm 6 cm 6 mm : 10 m 5 mm

$$\begin{array}{r} 6.725 \\ + 8.866 \\ \hline 10.005 \end{array}$$

**25.596**

Ans. 25.596 m

## Measurement

kilo-	hecto-	deka-	(unit)	deci-	centi-	milli-
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## EXERCISE 16 B

I. Express in decimal and then add

c. 6 kg 7 hg 5 dag 6 g : 8 hg 7 g : 4 kg 2 hg 2 g : 10 kg

$$\begin{array}{r} 6.756 \\ + 0.807 \\ 4.202 \\ 10.000 \end{array}$$

**21.765**

Ans. 21.765 kg

## Measurement

kilo-	hecto-	deka-	(unit)	deci-	centi-	milli-
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## EXERCISE 16 B

2. Express in decimal and then subtract

a. 25 km 625 m from 50 km 50 m

$$\begin{array}{r} 50.050 \\ - 25.625 \\ \hline \end{array}$$

**24.425**

Ans. 24.425 km

b. 66 kg 725 g from 92 kg 6 hg 8 g

$$\begin{array}{r} 92.608 \\ - 66.725 \\ \hline \end{array}$$

**25.883**

Ans. 25.883 kg

## Measurement

kilo-	hecto-	deka-	(unit)	deci-	centi-	milli-
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## EXERCISE 16 B

2. Express in decimal and then subtract

c. 125 kL 615 L from 145 kL 220 L

$$\begin{array}{r} 145.220 \\ - 125.615 \\ \hline \end{array}$$

**19.605**

Ans. 19.605 kL

## Measurement

kilo-	hecto-	deka-	(unit)	deci-	centi-	milli-
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## EXERCISE 16 B

3 . Express in decimal and then multiply

a. 7 km 2 hm 7 dam 5 m by 48

$$\begin{array}{r} 7.275 \\ \times \quad 48 \\ \hline 5820 \\ 29100 \\ \hline \mathbf{349.20} \end{array}$$

Ans. 349 . 2 km

b. 25 kg 620 g by 27

$$\begin{array}{r} 25.620 \\ \times \quad 27 \\ \hline 179340 \\ 512400 \\ \hline \mathbf{691.740} \end{array}$$

Ans. 691 . 740 kg

## Measurement

kilo-	hecto-	deka-	(unit)	deci-	centi-	milli-
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## EXERCISE 16 B

3 . Express in decimal and then multiply

c. 6 hm 4 dam 6 m by 72

$$\begin{array}{r} 0.646 \\ \times \quad 72 \\ \hline 1292 \\ 45220 \\ \hline \mathbf{46.512} \end{array}$$

Ans. 46 km 512 m

## Measurement

kilo-	hecto-	deka-	(unit)	deci-	centi-	milli-
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**Complete Exercise 16 B q.no. 1 to 3**

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 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.
- To add, subtract and multiply the units of measurement with decimal notation.

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