ODM EDUCATIONAL GROUP
Changing your Tomorrow

- MONTH : DECEMBER

SESSION : 21

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 16

CHAPTER NAME : MEASUREMENT

SUB-TOPIC : MEASUREMENT OF LENGTH AND CONVERSION.

EXERCISE- 16 A

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LEARNING OBJECTIVE :

Enable learners :

- **To identify the units for measuring length.**
- **To get a clear idea about conversion of units of measurement.**

RE-CAP

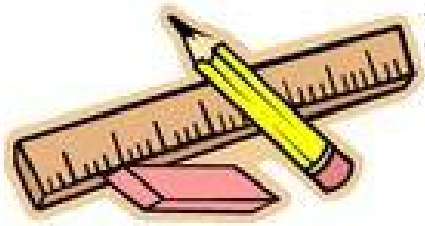
Metric System

King
Kilo-

Henry
Hecto-

Doesn't
Deka-

Usually
UNIT
- Meter
- Gram
- Liter



Drink
Deci-

Chocolate
Centi-

Milk
Milli-

Conversion of length

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We use different units to measure different lengths.
Ex: We use cm to measure very small length and km to measure long length or distance.

The standard unit of measuring length is **METRE.**

POINTS TO REMEMBER	
1 KM	= 1000 m
1 Hectometre	= 100 m
1 decametre	= 10 m
	METRE
10 decimetre	= 1 metre
100 centimetre	= 1 metre
1000 millimetre	= 1 metre

Conversion of length

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POINTS TO REMEMBER

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METRE	
10 decimetre	= 1 metre
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1000 millimetre	= 1 metre

1. Convert 560 cm into dm and m

100 cm = 1 m

$$560 \text{ cm} = \frac{560}{100} = 5.6 \text{ m}$$

10 cm = 1 dm

$$560 \text{ cm} = \frac{560}{10}$$

$$= 56 \text{ dm}$$

Conversion of length

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POINTS TO REMEMBER	
1 KM	= 1000 m
1 Hectometre	= 100 m
1 decametre	= 10 m
METRE	
10 decimetre	= 1 metre
100 centimetre	= 1 metre
1000 millimetre	= 1 metre

2. Convert 745m into dam, hm and km

10 m = 1 dam

$745\text{m} = \frac{745}{10}$

= 74.5 dam

100m = 1 hm

$745\text{m} = \frac{745}{100}$

= 7.45 hm

1000 m = 1km

$745\text{ m} = \frac{745}{1000}$

= 0.745 km

Conversion of length

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Express in m dm cm and mm.

a. 1.133 m = **1 m 1 dm 3 cm 3 mm**

b. 23.036 m = **23 m 0 dm 3 cm 6 mm**

Using decimal express in metres.

a. 5m 7dm 8cm 9mm = **5.789 m**

b. 7m 6cm 1mm = **7.061 m**

kilo-	hecto-	deka-	(unit)	deci-	centi-	milli-

EXERCISE 16 A

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1. Express in m , dm , cm and mm

a. 8.425 m = **8m 4 dm 2 cm 5 mm.**

b. 7.75 m = **7m 7 dm 5 cm**

c. 27.078 m = **27m 7 cm 8 mm.**

d. 52.064 m = **52m 6cm 4 mm.**

2. Using decimal express in metres

a. 8m 6 dm 5 cm 2 mm. **= 8.652 m**

b. 10m 8 dm 6 cm 5 mm. **= 10.865 m**

c. 15m 8dm 1cm 9 mm. **= 15. 819 m**

d. 1m 3dm 7cm. **= 1.37 m**

EXERCISE 16 A

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3. Express in km , hm , dam and m

a. 2.355 km = **2 km 3 hm 5 dam 5 m.**

b. 8.162 km = **8 km 1hm 6 dam 2 m**

c. 30.750 km = **30 km 7 hm 5 dam**

d. 35.250 km = **35 km 2hm 5 dam.**

4. Using decimal express in km.

a. 1 km 1 hm 2 dam 9 m. **= 1. 129 km**

b. 7 km 8 hm 2 dam 2 m. **= 7.822 km**

c. 50 km 8dam 7 m. **= 50. 087 km**

d. 24 km 5 hm 6 m. **= 24.506 km**

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Complete Exercise 16 A the 1st four of q.no.1 to 4

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Students are able:

- To identify the units for measuring length
- To get a clear idea about conversion of units of measurement.

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THANKING YOU

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