ODM EDUCATIONAL GROUP
Changing your Tomorrow

SESSION : 6
CLASS : 3
SUBJECT : MATHEMATICS
CHAPTER NUMBER: 8
CHAPTER NAME : MEASUREMENT
SUBTOPIC : CONVERSION OF METRES INTO CENTIMETRES

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LEARNING OBJECTIVE :

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Children will

* Estimate the length and distance.
* Use standard units like centimetres or metres to estimate the length and distance.
* Identify relationship.
* Measure the length of objects in their surroundings by using scales.

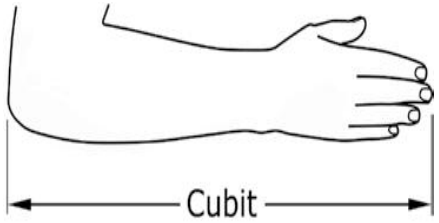
MEASUREMENT

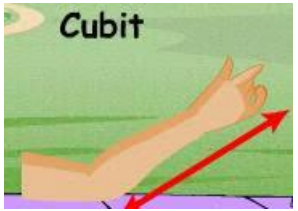
CONVERSION OF METRES INTO CENTIMETRES

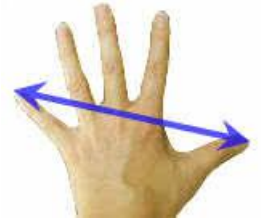
Non-standard units were used in olden days and by the children to learn the concept of measurement without reading any scales. Some examples are as follows:

MEASUREMENT

CONVERSION OF METRES INTO CENTIMETRES







Handspan

Footspan

MEASUREMENT

CONVERSION OF METRES INTO CENTIMETRES

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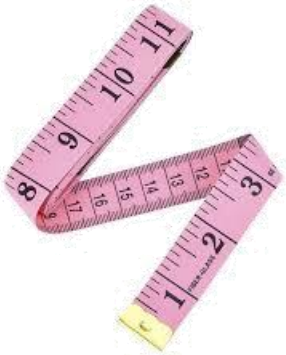
What is Length?

Length is the term used for identifying the size of an object or distance from one point to another. Length is a measure of how long an object is or the distance between two points.



Measuring Tape

MEASUREMENT

CONVERSION OF METRES INTO CENTIMETRES

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IMPORTANT POINTS TO REMEMBER

1. Non-standard Units of Length: fingers, hand span, cubit, pace etc.

2. The smaller unit of length is centimetre.We denote'centimetre' by 'cm'.
Length of line segments, length of a pencil, length of a paper etc.

3. Standard Unit of Length is metre. We denote 'metre' by 'm'.
Length of a wall, height of a pole, length of a cloth etc.

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4. The bigger unit of length is kilometre. We denote 'kilometre' by 'km'. Distance between two places or two cities.

5. The smallest unit of length is millimetre. We denote 'millimetre' by 'mm'.

6. 1 kilometer = 1000 metres, 1 km = 1000 m

7. 1 meter = 100 centimetres, 1 m = 100 cm

8. 1 centimetre = 10 millimetres , 1 cm = 10 mm

MEASUREMENT

CONVERSION OF METRES INTO CENTIMETRES

1 metre (m)= 100 centimetres (cm)

To convert ‘metres’ into ‘centimetres’ we multiply with 100

MEASUREMENT

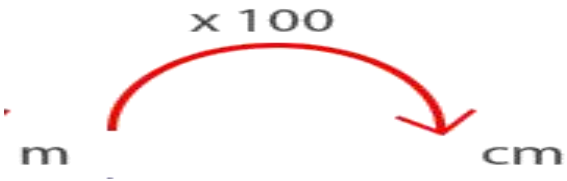
CONVERSION OF METRES INTO CENTIMETRES

1 centimetre (cm) = 10 millimetres (m)

To convert ‘centimetres’ into ‘millimetres’ we multiply with 10

MEASUREMENT

CONVERSION OF METRES INTO CENTIMETRES



For example:

1) 15 m

= 15 m x 100

= 1500 cm

2) 42 m 5 cm

42 m = 42 m x 100 = 4200 cm

42 m 5 cm = 4200 cm + 5 cm = 4205 cm

MEASUREMENT

CONVERSION OF METRES INTO CENTIMETRES

REMEMBER

Standard Unit of Length is metre.

We denote 'metre' by 'm', 'centimetre' by 'cm' and 'millimetre' by 'mm'.

MEASUREMENT

CONVERSION OF METRES INTO CENTIMETRES

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Exercise - 8 A Q. No A 1 to 10
book page - 105
in the notebook.

MATHS

MEASUREMENT

CONVERSION OF METRES INTO CENTIMETRES

Convert the following into centimetres.

1) 4 m

= 4 x 100

= 400 cm

2) 6.5 m

6 m 50 cm

6 m = 6 x 100 = 600 cm

6.5 m = 600 cm + 50 cm = 650 cm

MEASUREMENT

CONVERSION OF METRES INTO CENTIMETRES

3) 25 m

= 25 x 100

= 2500 cm

4) 34 m

= 34 x 100

= 3400 cm

MEASUREMENT

CONVERSION OF METRES INTO CENTIMETRES

5) 37 m

= 37 x 100

= 3700 cm

6) 64 m

= 64 x 100

= 6400 cm

MEASUREMENT

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7) 83 m

= 83 x 100

= 8300 cm

8) 1 m 30 cm

1 m = 1 x 100 = 100 cm

1 m 30 cm = 100 cm + 30 cm = 130 cm

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CONVERSION OF METRES INTO CENTIMETRES

9) 6 m 28 cm

6 m = 6 x 100 = 600 cm

6 m 28 cm = 600 cm + 28 cm = 628 cm

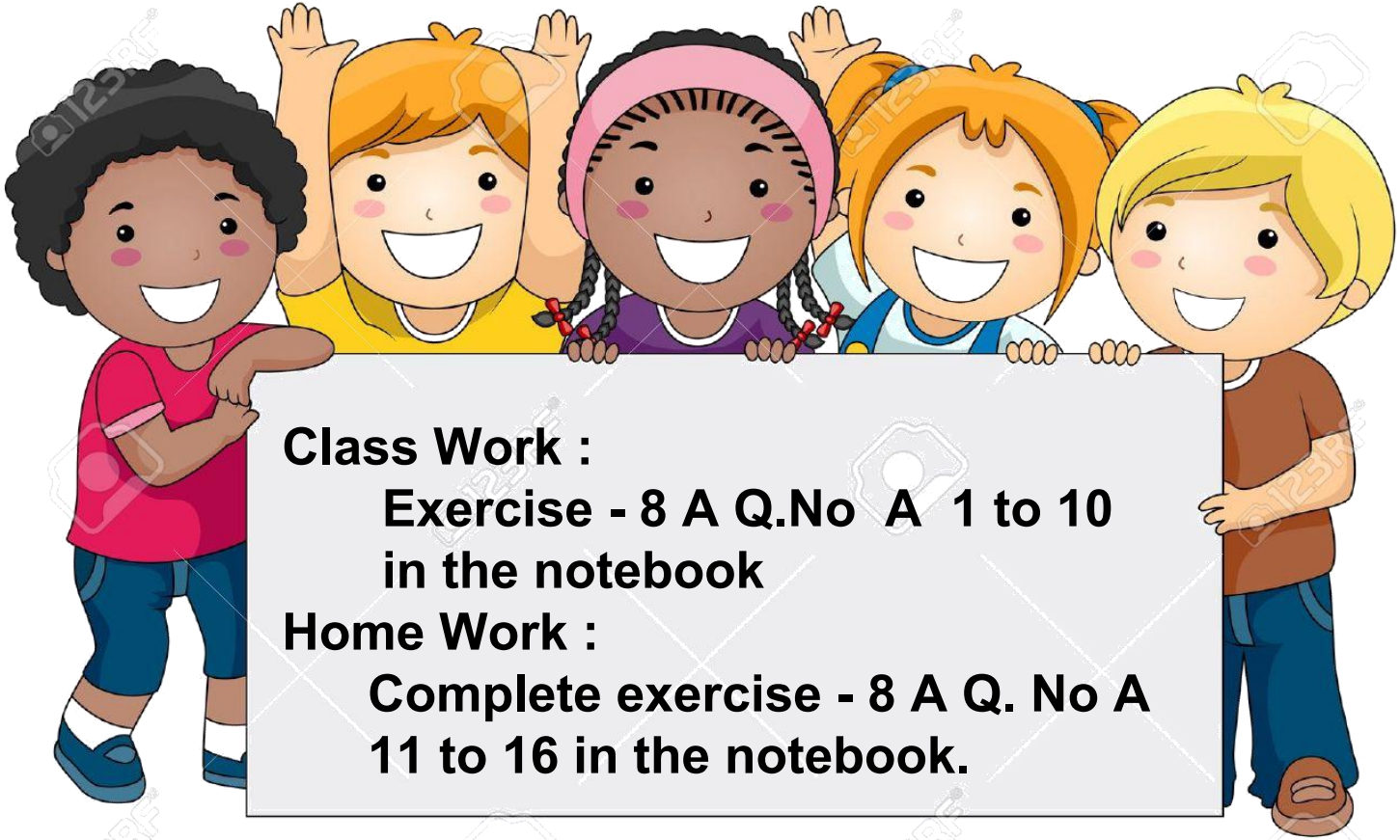
10) 14 m 30 cm

14 m = 14 x 100 = 1400 cm

14 m 30 cm = 1400 cm + 30 cm = 1430 cm

MEASUREMENT

CONVERSION OF METRES INTO CENTIMETRES



Class Work :

Exercise - 8 A Q.No A 1 to 10 in the notebook

Home Work :

Complete exercise - 8 A Q. No A 11 to 16 in the notebook.

LEARNING OUTCOME:

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Children will be able to estimate the length and distance. Use standard units like centimetres or metres to estimate the length and distance. Also identify the relationship between centimetres and metres. Measure the length of objects in their surroundings by using scales.

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THANKING YOU

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