



SCIENCE

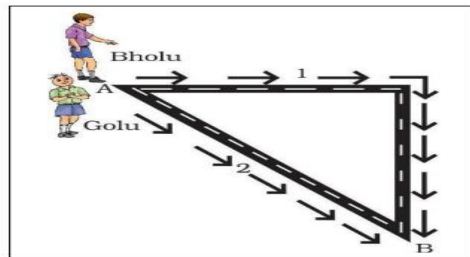
CH: 10 MOTION AND MEASUREMENT OF DISTANCES

Class VI

WORKSHEET

I Multiple choice questions

- Nithara moves on a straight road from point A to point C. She takes 20 minutes to cover a certain distance AB and 30 minutes to cover the rest of distance BC. She then turns back and takes 30 minutes to cover the distance CB and 20 minutes to cover the rest of the distance to her starting point. She makes 5 rounds on the road the same way. Nithara concludes that her motion is
 - only rectilinear motion
 - only periodic motion
 - rectilinear and periodic both.
 - neither rectilinear nor periodic.
- Bholu and Golu are playing in a ground. They start running from the same point A in the ground and reach point B at the same time by following the paths marked 1 and 2 respectively as shown in figure. Which of the following is/are true for the given situation? As compared to Golu, Bholu covers a



- longer distance but with a lower speed.
- longer distance with a higher speed.
- shorter distance with a lower speed.
- shorter distance with a higher speed.

II. Fill in the blanks

- SI unit of length is -----.
- Comparison of an unknown quantity with some known quantity is called -----.
- One metre =----- centimetres
- Motion of a body along a straight line is called -----motion.
- In -----motion, an object moves such that its distance from a fixed point remains the same.
- When an object repeats its motion at regular intervals of time, it is called----- motion.



7. Motion of a child on a swing is -----.
8. 5 km = ----- m
9. We can use a ----- to measure the length of a curved line.

III. Complete:

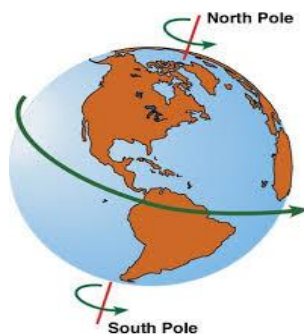
1. 230 cm = ----- m
2. 92 km = ----- m
3. 3400 m = ----- km
4. 12 cm = ----- mm
5. 34 mm = ----- cm

IV. Choose the right option from the brackets to describe the motion described in the pictures:

(Curvilinear motion, rotational motion, rectilinear motion, periodic motion)



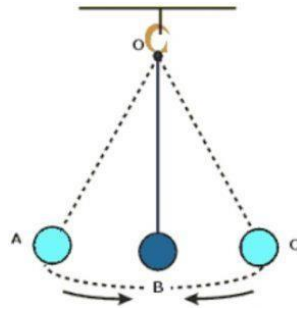
1. -----



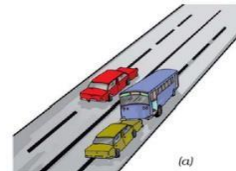
2. -----



3.-----

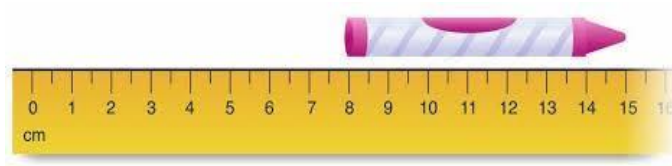


4.-----

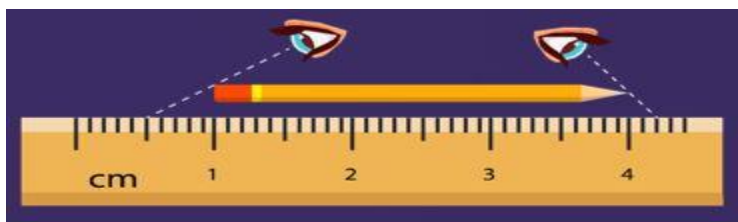


V Answer the following

1. What is the length of the crayon (in cm)?



2. What is the correct length of the pencil – (a) 3.4 cm (b) 3.2 cm (c) 3.00 cm ? Why?





3. The distance between two stations of Mumbai metro is 5.34 km. Express this distance in
i) metre ii) centimetre

4. Identify the type of motion exhibited by each of the following

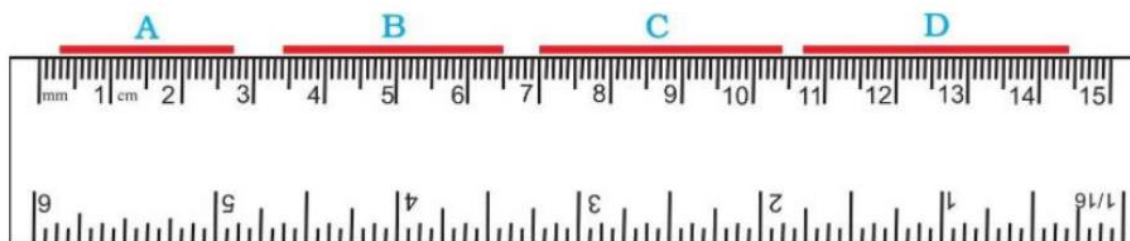
1. A spinning top - -----

2. Motion of a pendulum - -----

3. A stone tied to a string - -----

4. The plucked strings of a guitar - -----

5. Four pieces of wooden sticks A, B, C and D are placed along the length of 30 cm long scale as shown in Fig. Which one of them is 3.4 cm in length?



Ans: -----

