

Name: () Class: Date:

LIVE Assignment 1: Measurements

1. A student investigates how fast his friends can run 30 m.



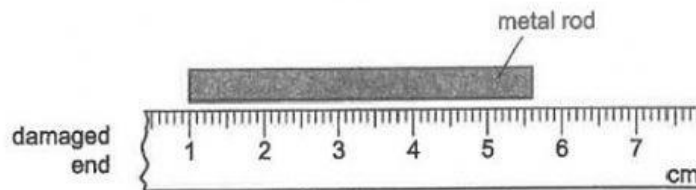
What is the best piece of apparatus to use to measure this distance?

- a) 30 cm ruler
- b) 40 m measuring tape
- c) metre ruler
- d) stopwatch

2. A student uses a ruler to measure the length of a metal rod.

The end of the ruler is damaged so the student places one end of the rod at the 1 cm mark as shown.

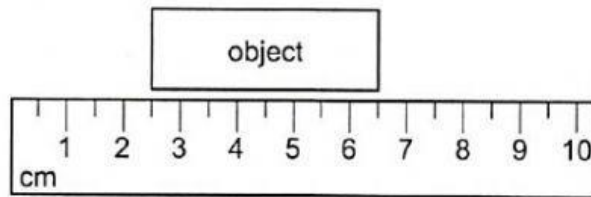
The ruler is not drawn to scale.



What is the length of the metal rod?

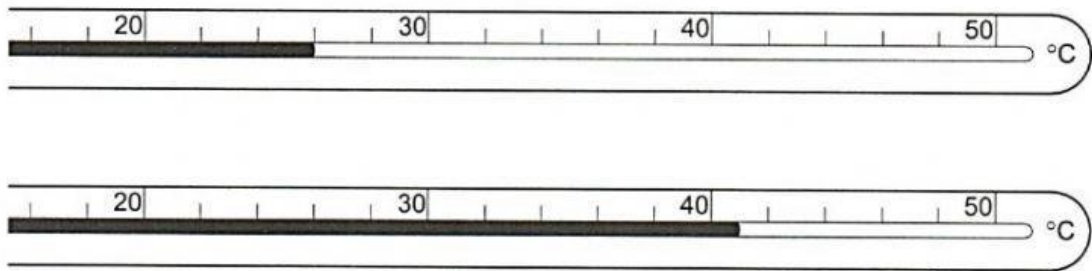
- a) 43 mm
- b) 46 mm
- c) 53 mm
- d) 56 mm

3. A ruler is used to measure the length of an object. The ruler is not drawn to scale.



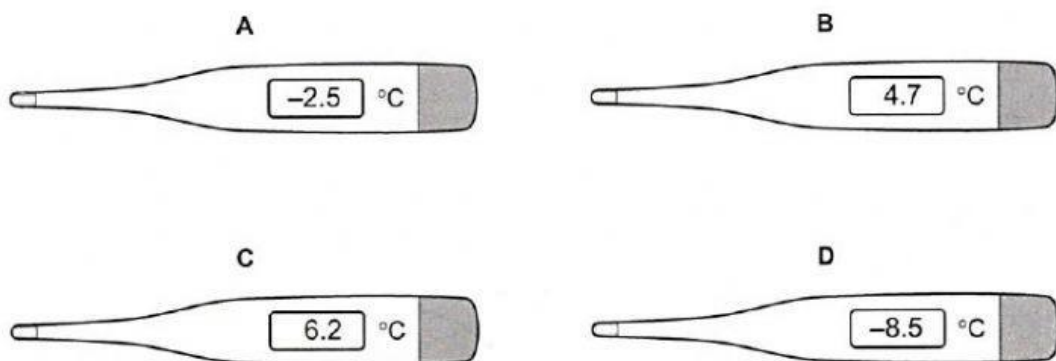
What is the length of the object?

- A 4.0 cm B 5.0 cm C 6.5 cm D 8.0 cm
4. A thermometer is used to measure two temperature.



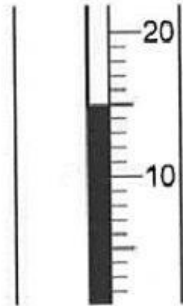
What is the increase in temperature?

- A 14.5 °C B 15.0 °C C 17.5 °C D 18.0 °C
5. Which thermometer is reading the lowest temperature?

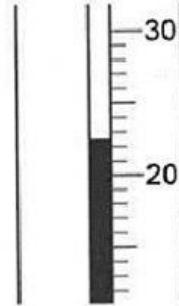


6. A student measures the temperature of water in a beaker and the temperature of the room.

The diagram shows part of the thermometer scale for each measurement.



water temperature



room temperature

- (a) Record the water temperature and the room temperature.

water temperature = °C

room temperature = °C

7. The student uses two different stopwatches to measure the time it takes for the car to stop when it travels at 30 m/s and at 40 m/s.

The time shown at 30 m/s is 4.23 s.



time at 40 m/s



Calculate the difference between the time it takes to stop at 40 m/s and the time it takes to stop at 30 m/s.

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End of Paper