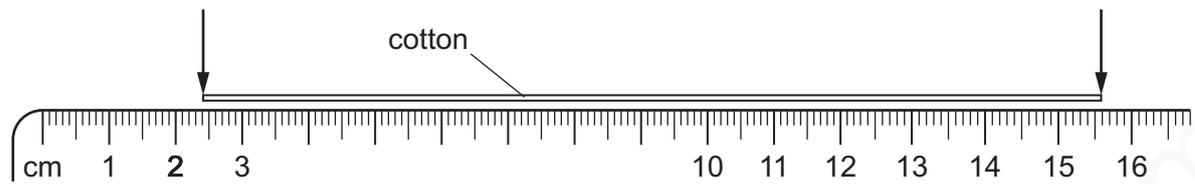
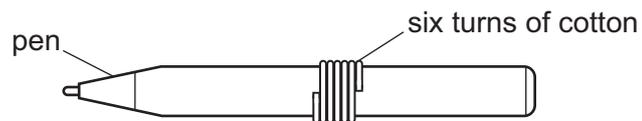


MEASURING LENGTH-SET-2-MS

- 1 A length of cotton is measured between two points on a ruler.



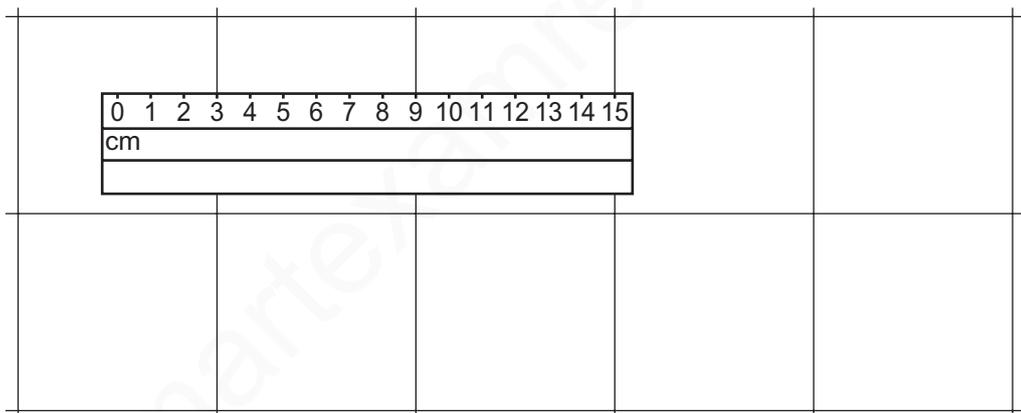
When the length of cotton is wound closely around a pen, it goes round six times.



What is the distance once round the pen?

- A 2.2 cm B 2.6 cm C 13.2 cm D 15.6 cm

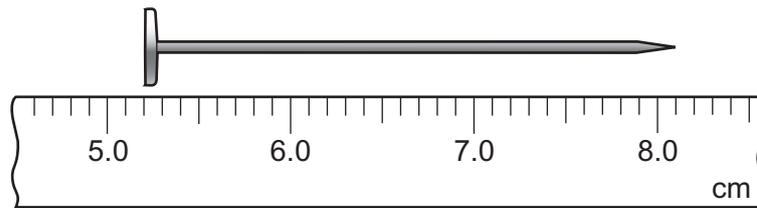
- 2 A floor is covered with square tiles. The diagram shows a ruler on the tiles.



How long is one tile?

- A 3 cm B 6 cm C 9 cm D 12 cm

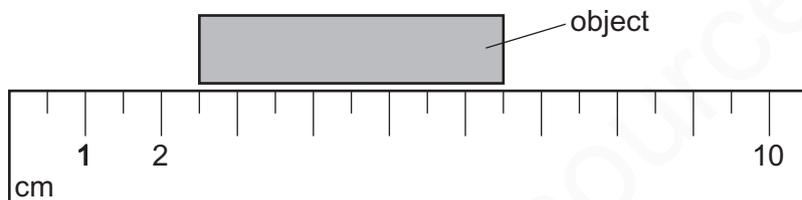
3 A ruler is used to measure the length of a nail.



What is the length of the nail?

- A 1.3 cm B 2.9 cm C 5.2 cm D 8.1 cm

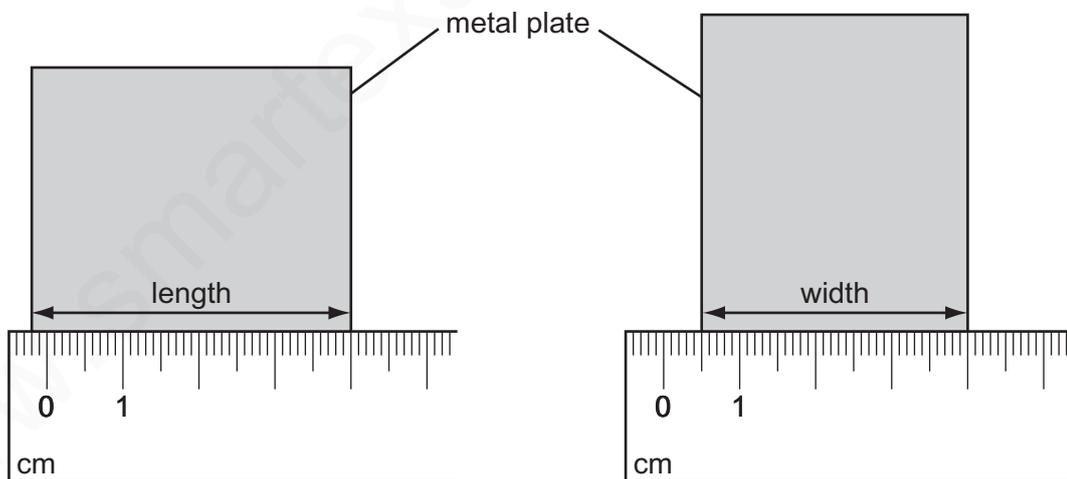
4 A ruler is used to measure the length of an object.



What is the length of the object?

- A 3.0 cm B 4.0 cm C 5.0 cm D 6.5 cm

5 A student uses a ruler to measure the length and the width of a small rectangular metal plate.



What is the area of the plate?

- A 14.0 cm^2 B 14.7 cm^2 C 16.0 cm^2 D 16.8 cm^2

6 A student measures the diameter of a pencil.
Which measuring instrument will give the most precise reading?

- A a measuring tape
- B a metre rule
- C a micrometer screw gauge
- D a ruler

7 Which is the best apparatus to use to measure the thickness of a coin?

- A balance
- B ruler with a millimetre scale
- C micrometer screw gauge
- D pressure gauge

8 A student measures the dimensions of a cylindrical glass beaker.

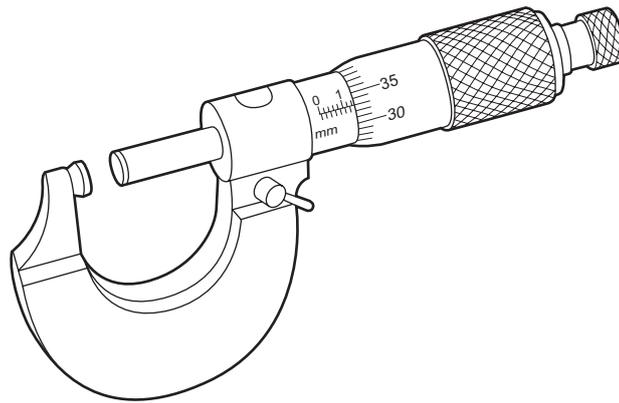
For which measurement should she use a micrometer screw gauge?

- A circumference of the beaker
- B diameter of the beaker
- C height of the beaker
- D thickness of the glass wall of the beaker

9 Which quantity can be measured directly using a micrometer screw gauge?

- A the area of a sheet of paper
- B the mass of a sheet of paper
- C the thickness of a sheet of paper
- D the volume of a sheet of paper

- 10 The diagram shows a measuring device.



For which measurement is this device suitable?

- A diameter of a cylinder of aluminium of about 20 cm
- B distance between two molecules of zinc
- C length of a rod of iron of about 1 m
- D thickness of a sheet of copper of about 1.5 mm

- 11 A micrometer screw gauge reads 0.02 mm when the jaws are fully closed. It reads 0.56 mm when measuring the diameter of a metal wire.

What is the diameter of the wire?

- A 0.36 mm B 0.54 mm C 0.56 mm D 0.58 mm

Questions based on screw guage are not for students sitting exams from 2023 to 2025