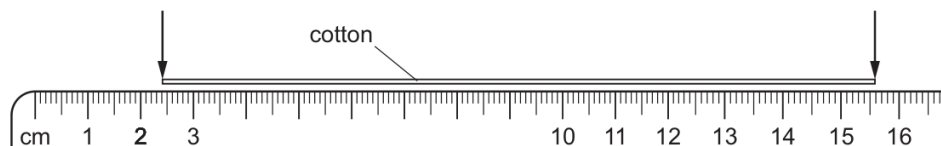


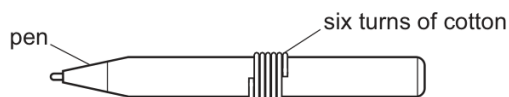
Smart Exam Resources
0625 / 0972 (9-1) IGCSE Physics
MEASURING LENGTH-SET-2

1

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



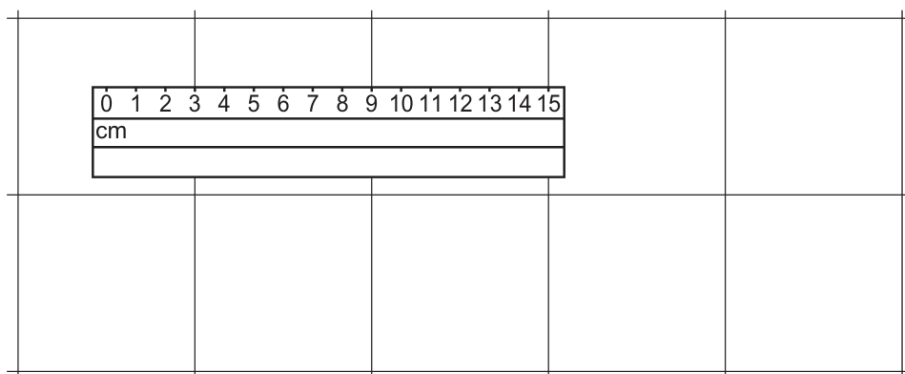
When the length of cotton is wound closely around a pen, it goes round six times.



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

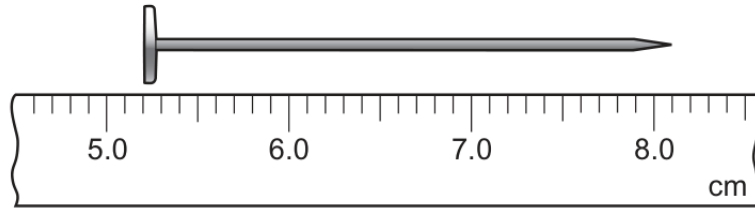
2



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?

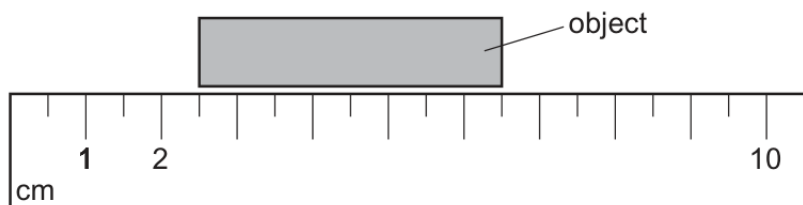
A 1.3 cm

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?

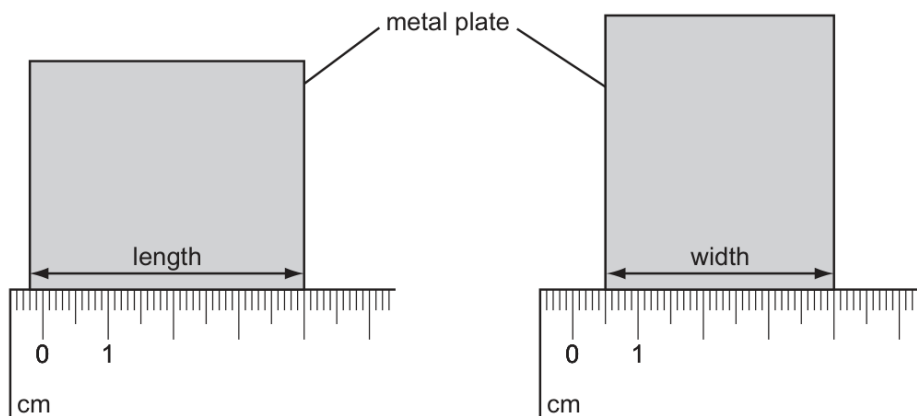
A 3.0 cm

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 cm²

B 14.7 cm²

C 16.0 cm²

D 16.8 cm²

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. A micrometer screw gauge reads 0.02 mm when the jaws are fully closed. It reads 0.56 measuring the diameter of a metal wire. What is the diameter of the wire? A 0.3 6mm B 0.5 4mm C 0.5 6mm D 0.5 8mm

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