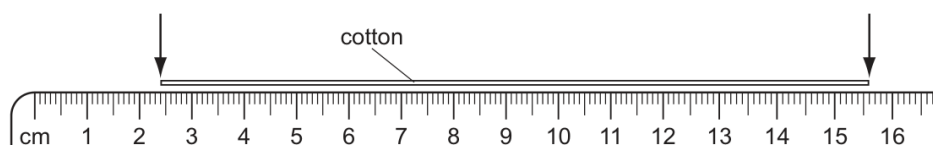


Smart Exam Resources
0625 / 0972 (9-1) IGCSE Physics
MEASURING LENGTH-SET-1-QP

1

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

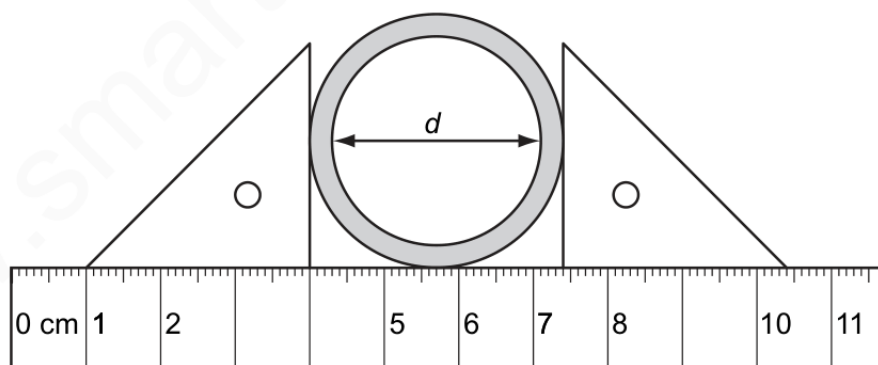
2

A decorator wishes to calculate the area of a bathroom tile so that he can estimate the amount of adhesive that he needs to buy. What must he use?

- A a measuring cylinder only
B a ruler only
C a measuring cylinder and a clock only
D a measuring cylinder and a ruler only

3

Diagram shows a thick-walled tube. The thickness of the wall is 3 mm.



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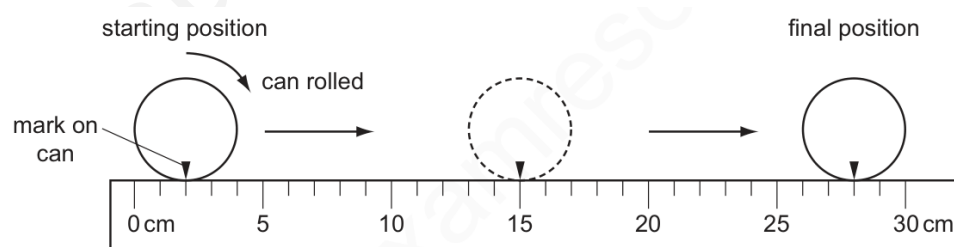
What is the internal diameter d of the tube?

- A 2.8 cm B 3.1 cm C 3.4 cm D 7.4 cm

4	Some liquid is heated in a flask. The diagrams show the height of the liquid in the tube when the liquid is cold and when it is hot. What is the difference in the heights? A 1.7 cm B 2.8 cm C 3.2 cm D 4.5 cm
5	A metre rule is used to measure a length. www.smartexamresources.com Which reading is shown to the nearest millimetre? A 0.7 m B 0.76 m C 0.761 m D 0.7614 m
6	The diagram shows an enlarged drawing of the end of a metre rule. It is being used to measure the length of a small feather. What is the length of the feather? A 19 mm B 29 mm C 19 cm D 29 cm

7

A cylindrical can is rolled along the ruler shown in the diagram.



The can rolls over twice. What is the circumference (distance all round) of the can?

A 13 cm

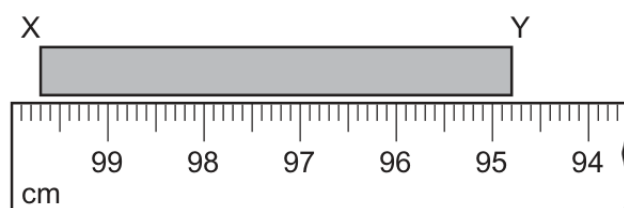
B 14 cm

C 26 cm

D 28 cm

8

A student measures the length of a rod XY by holding it next to a metre rule.



The student writes down the length as 94.8 cm. Which statement is correct?

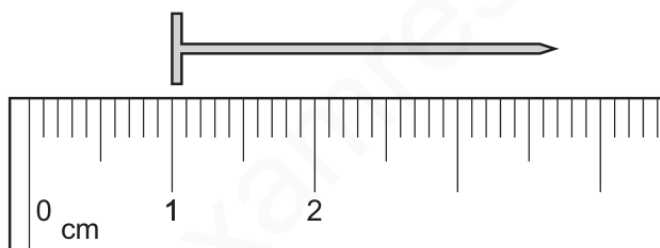
A The value is correct.

B The value is incorrect because it should be 95.2 cm.

C The value is incorrect because it should be in millimetres.

D The value is incorrect because the student should subtract the reading for end Y from the reading for end X.

9



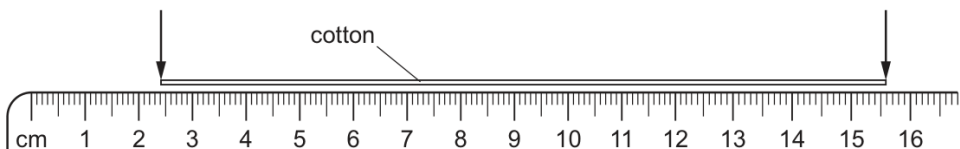
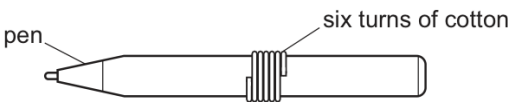
The diagram shows part of a ruler. The ruler is used to find the length of a nail. What is the length of the nail?

A 2.2 cm

B 2.7 cm

C 3.2 cm

D 3.7 cm

10	What is the most accurate and precise method to measure the thickness of a coin? A Use a micrometer screw gauge. B Use a ruler and look at the scale perpendicularly. C Use a top pan balance. D Use the displacement method with water in a measuring cylinder.
11	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