

1. 0625/11/O/N/19/No.1

A student measures the volume of a small irregularly-shaped stone.

Which apparatus must be used?

- A a measuring cylinder containing water and a ruler only
- B a measuring cylinder containing water only
- C an empty measuring cylinder and a ruler only
- D a ruler only

2. 0625/12/O/N/19/No.1

A measuring cylinder contains  $10 \text{ cm}^3$  of water.

A piece of steel is lowered into the measuring cylinder until it is fully submerged. The volume reading increases to  $12 \text{ cm}^3$ .

A second piece of steel is lowered into the measuring cylinder so that it is also fully submerged. The volume reading increases to  $15 \text{ cm}^3$ .

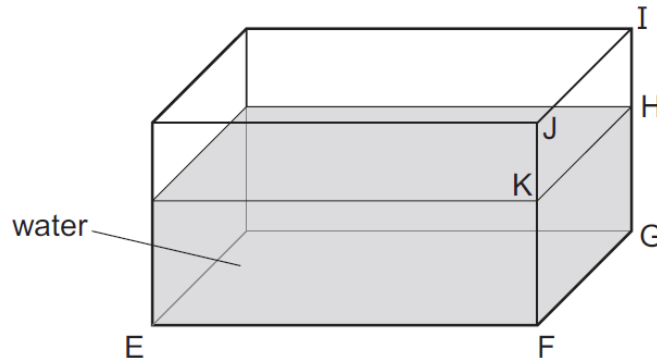
Which row shows the volumes of the two pieces of steel?

	volume of first piece of steel / $\text{cm}^3$	volume of second piece of steel / $\text{cm}^3$
A	2	3
B	2	5
C	12	3
D	12	15

3. 0625/13/O/N/19/No.1

A student uses a ruler to find the volume of water in a tank.

She measures the lengths EF and FG.



What other length does she need to measure?

A FJ

B FK

C HI

D IJ

4. 0625/21/O/N/19/No.1

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

5. 0625/22/O/N/19/No.2

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

6. 0625/23/O/N/19/No.1

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

