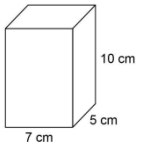
Q1. (2019)

14 Here is a cuboid.



Work out the volume.

[2 marks]

Answer _____ cm^3

Q2. (2022)

27 A solid has volume 300 cm^3 and density 2 g/cm^3

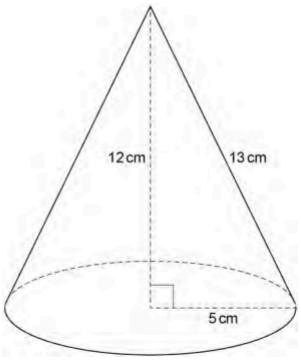
Circle the mass of the solid.

[1 mark]

150 g 298 g 302 g 600 g

Q22. (2024)

22 Here is a cone.



(A)

22 (a)

Curved surface area of a cone = πrl
where r is the radius and l is the slant height

Beth tries to work out the curved surface area in terms of π

Curved surface area of the cone = $\pi \times 5 \times 12$
$= 60\pi\ cm^2$

What mistake has she made?

[1 mark]

(B)

22 (b) Adam uses $\pi = 3$ to estimate the area of the **base** of the cone.

Work out his estimate.

[2 marks]

Answer _____ cm^2

(C)

22 (c) Beth uses $\pi = 3.14$ to estimate the area of the **base** of the cone.

Is Beth's estimate more than or less than Adam's estimate?

Tick a box.

More than ☐ Less than ☐

Give a reason for your answer.

[1 mark]