Name:

Exam Style Questions

Surface Area: Prisms

Corbettmaths

Equipment needed: Calculator, Pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings
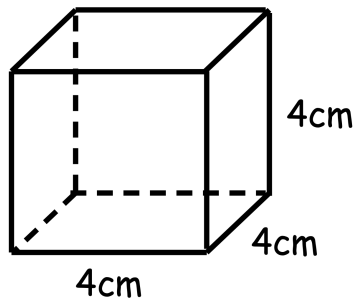
Video Tutorial

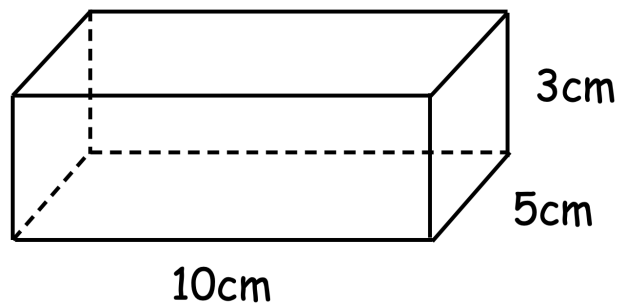www.corbettmaths.com/contents

Video 312

Answers and Video Solutions

1. Shown below is a cube with a side length of 4cm.

4cm

4cm

4cm

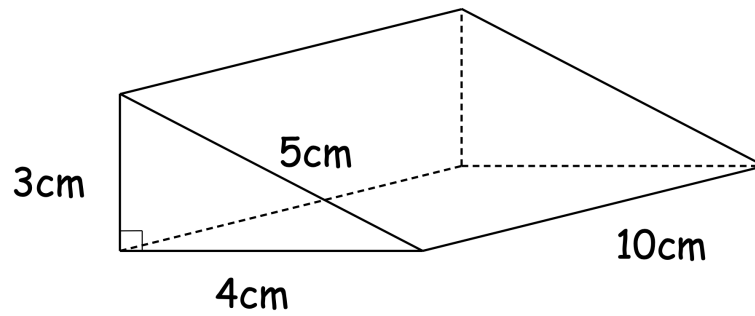Work out the total surface area of the cube.
Include suitable units.

....

(3)

2. Work out the surface area of this cuboid.

3cm

5cm

10cm

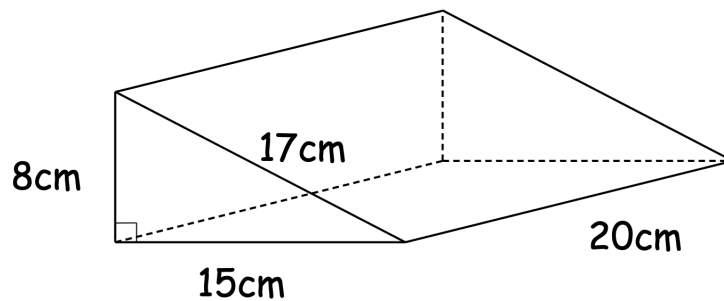.....................cm²

(3)

3. Shown below is a triangular prism.

Work out the surface area of the prism.
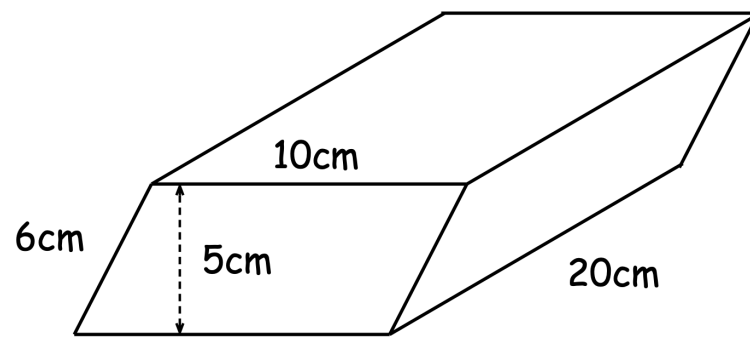
…………………..cm²

(4)

4.

Work out the total surface area of the triangular prism.
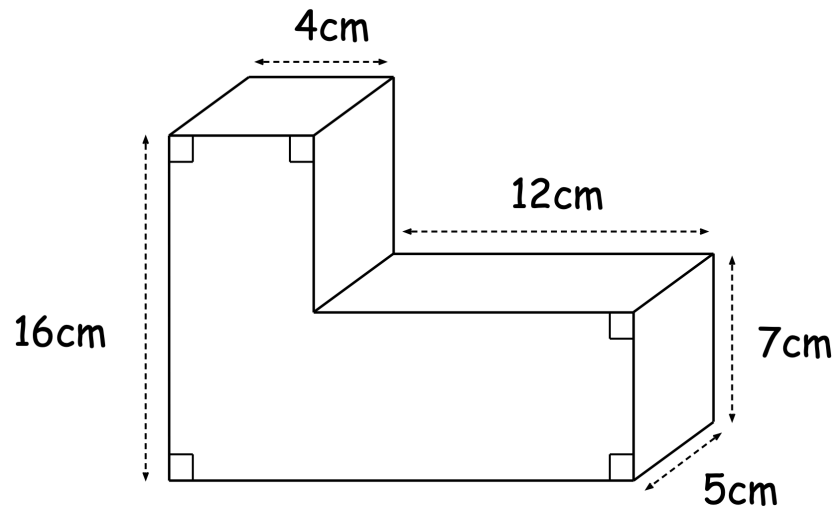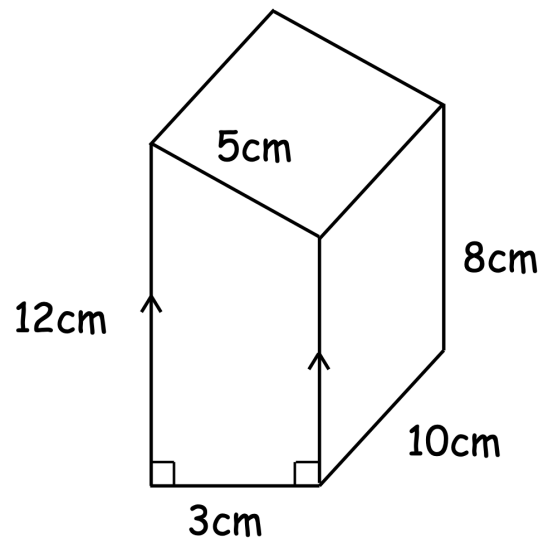
…………………..cm²

(4)

5. Below is a prism.

Work out the total surface area of the prism.

…………………..cm²

(4)

6. Shown below is a prism.

Work out the total surface area of the prism.
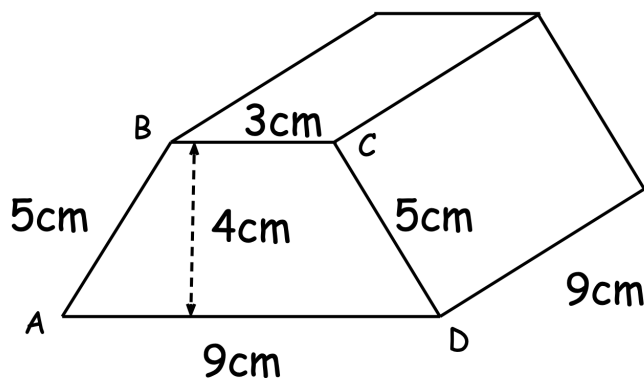
……………………..cm²

(4)

7. Shown below is a prism.

Work out the total surface area of the prism.

…………………..cm²

(4)

8. Shown below is a prism.
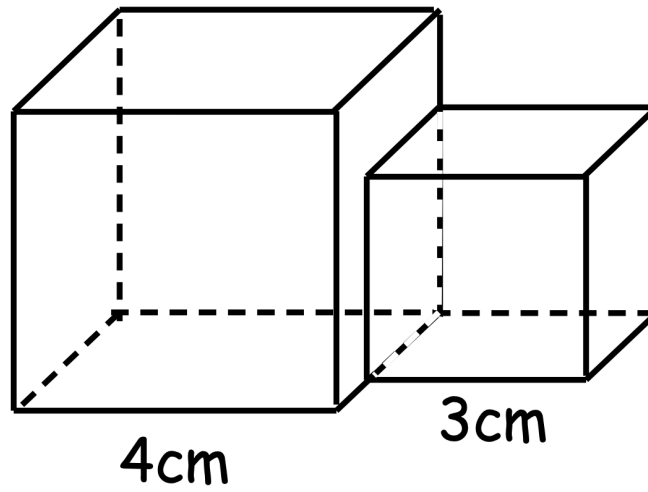The cross section of the prism is a trapezium, ABCD.

AD = 9cm

AB = CD = 5cm

BC = 3cm

Work out the total surface area of the prism.
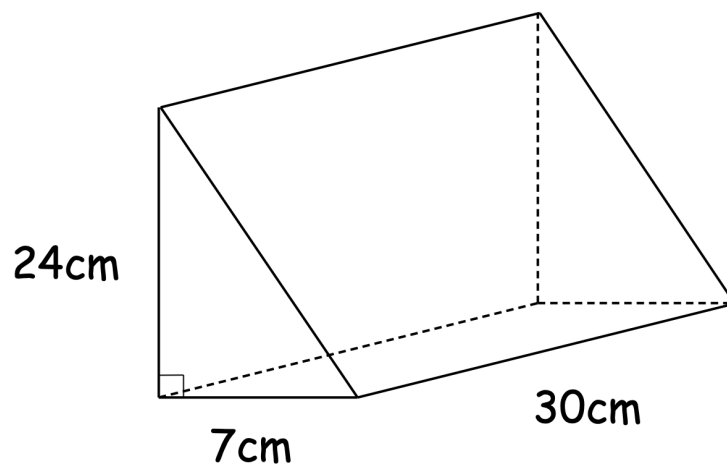
....................cm²

(4)

9. Brad creates an ornament by joining two cubes as shown below.

4cm

3cm

Work out the total surface area of the ornament.

…………………..cm²

(4)

10. Shown below is a prism.
The cross section of the prism is a right angle triangle.

24cm

7cm

30cm

Work out the surface area of the prism.

.........................cm²

(5)