Name: _____

GCSE (1 – 9)

Surface Area

Instructions

• Use **black** ink or ball-point pen.
• Answer all Questions.
• Answer the Questions in the spaces provided
– *there may be more space than you need.*
• Diagrams are **NOT** accurately drawn, unless otherwise indicated.
• You must **show all your working out.**

Information

• The marks for each Question are shown in brackets
– *use this as a guide as to how much time to spend on each Question.*

Advice

• Read each Question carefully before you start to answer it.
• Keep an eye on the time.
• Try to answer every Question.
• Check your answers if you have time at the end

1   The diagram shows a cuboid.
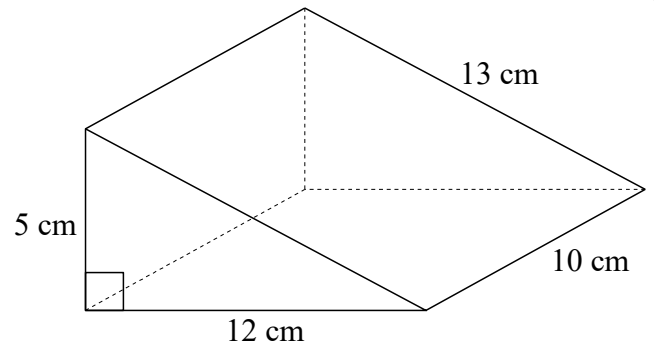
Find the total surface area of the cuboid.

4 cm

5 cm

12 cm

…….........…..
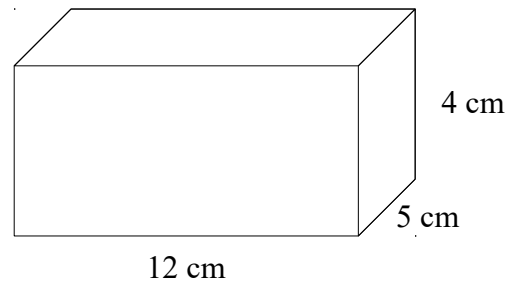
(Total for question 1 is 3 marks)

2 The diagram shows a triangular prism.

Find the total surface area of the triangular prism.

13 cm

5 cm

10 cm

12 cm

…….........……...

(Total for question 2 is 3 marks)

3   The diagram shows a triangular prism.

Find the total surface area of the triangular prism.

5 cm

3 cm

12 cm

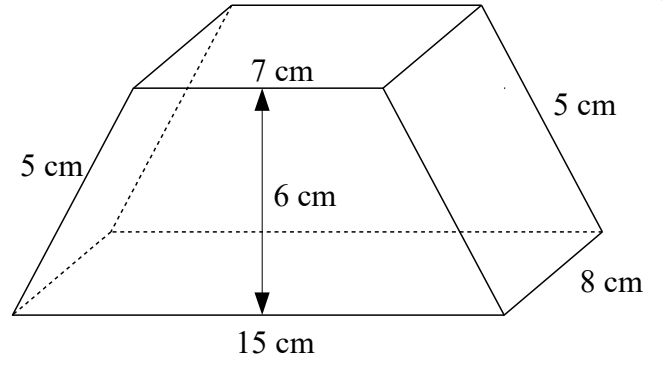4 cm

…….........…...................................
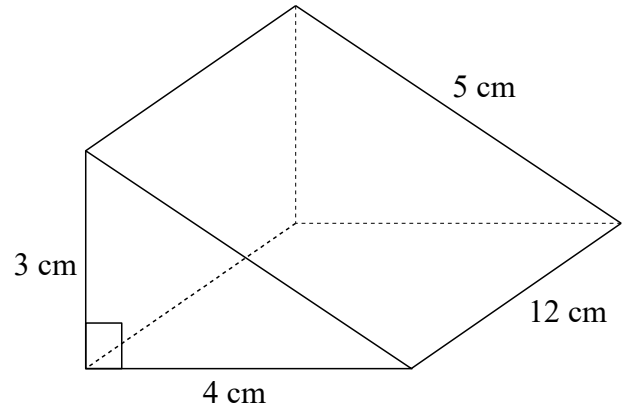
(Total for question 3 is 3 marks)

4   The diagram shows a prism.
The cross section of the prism is in the shape of a trapezium.

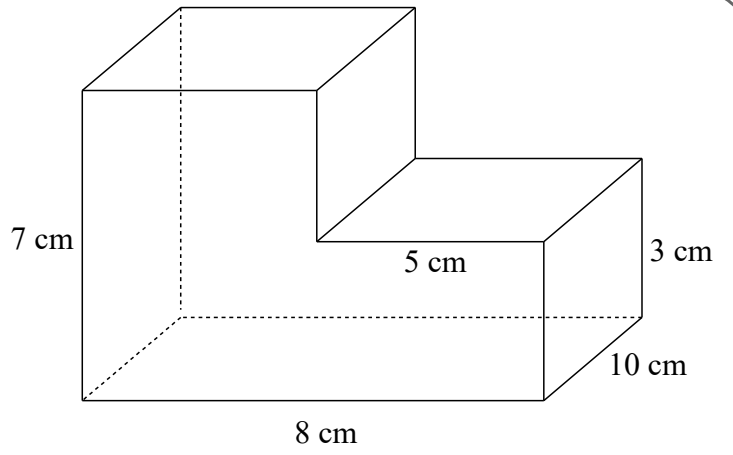Calculate the total surface area of the prism.

7 cm

5 cm

5 cm

6 cm

8 cm

15 cm

…….....….….....................................

(Total for question 4 is 4 marks)

5   The diagram shows a prism.

Calculate the total surface area of the prism.

7 cm

5 cm

3 cm

10 cm

8 cm

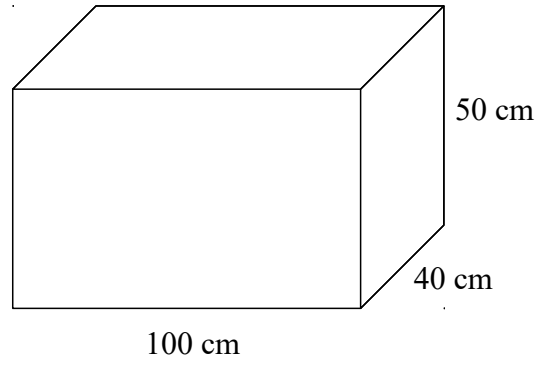.….........…...................................

(Total for question 5 is 4 marks)

6 The diagram shows a box.

5 of these boxes are going to be painted.

Each pot of paint can cover 6m².

How many pots of paint are needed to paint the 5 boxes?

50 cm

40 cm

100 cm

…..........................pots
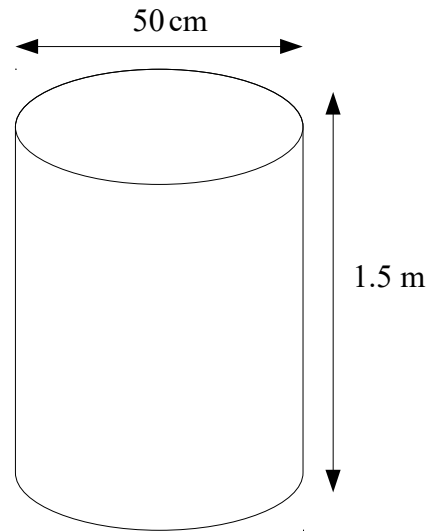
(Total for question 6 is 4 marks)

7 The diagram shows a cylindrical tank.
The tank has a top and a bottom.

4 of these tanks are going to be painted.
Each tank has a diameter of 50 cm and a height of 1.5 m.

Each pot of paint can cover 4 m².

How many pots of paint are needed to paint the 4 tanks?

50 cm

1.5 m

…..........................pots

(Total for question 7 is 4 marks)