



# Bishops Online Tutoring



Education Consultancy

## Edexcel GCSE Mathematics

# AREA OF COMPOUND SHAPES

### Materials Required:

- Pen
- HB Pencil
- Ruler (in centimetres and millimetres)
- Protractor
- Compass

### Instructions:

- Use a black ink pen to answer all questions
- Fill your name in the section below
- Answer the questions in the spaces provided
- Show your working out for all answers

### Information:

- The marks allocated for each question are displayed within brackets – utilise this information to gauge the appropriate amount of time to dedicate to each question
- Questions marked with an asterisk (\*) will assess your written communication; be careful of spelling, punctuation and grammar with these questions

### Advice:

- Carefully read the question before attempting to answer it
- Be vary of time and try to answer every question
- If you have enough time in the end, go back and check your answers. A good way to check your answers is to retry the question with the hope of getting the same answer as before without looking at your working out from before

# NO CALCULATOR ALLOWED

<b>NAME:</b>	
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1.

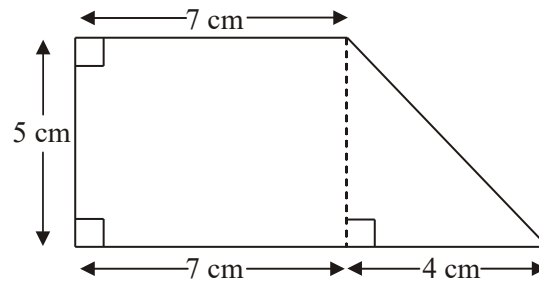


Diagram **NOT** accurately drawn

Work out the area of the shape.

.....  $\text{cm}^2$   
(Total 3 marks)

2.

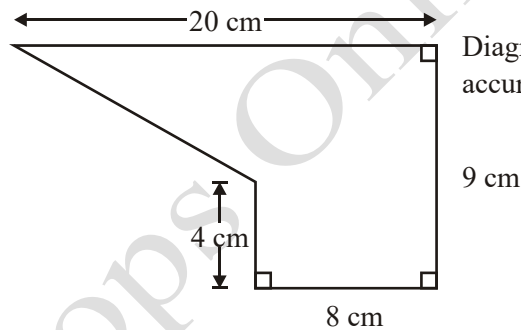


Diagram **NOT** accurately drawn

The diagram shows a shape.  
Work out the area of the shape.

.....  $\text{cm}^2$   
(Total 4 marks)

3. Here is a trapezium.

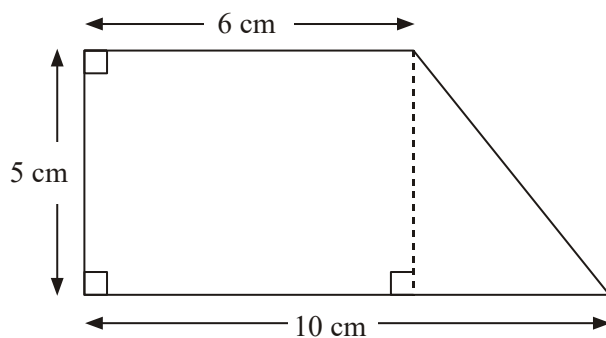


Diagram **NOT** accurately drawn

Work out the area of the trapezium.

.....  $\text{cm}^2$   
(Total 2 marks)

4. The diagram shows a wall with a door in it.

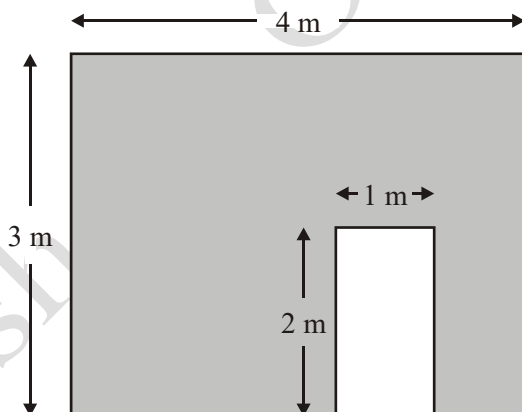


Diagram **NOT**  
accurately drawn

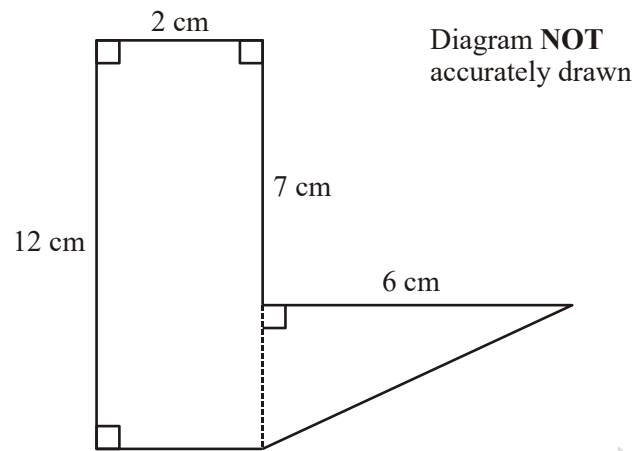
Work out the shaded area.

.....  $\text{m}^2$   
(3)  
(Total 3 marks)



5.

The diagram shows a 6-sided shape made from a rectangle and a right-angled triangle.



Work out the total area of the 6-sided shape.

.....cm<sup>2</sup>  
(Total 3 marks)

6.

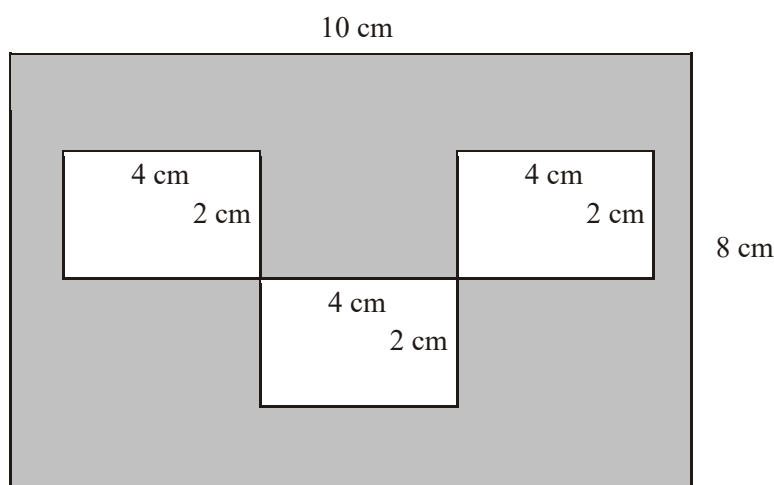


Diagram **NOT**  
accurately drawn

The diagram shows 3 small rectangles inside a large rectangle.  
The large rectangle is 10 cm by 8 cm.  
Each of the 3 small rectangles is 4 cm by 2 cm.

Work out the area of the region shown shaded in the diagram.

.....cm<sup>2</sup>  
(Total 3 marks)

7.

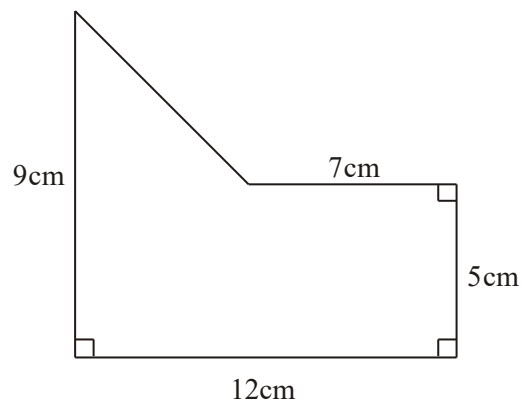


Diagram **NOT** accurately drawn

Work out the area of the shape.

..... cm<sup>2</sup>  
(Total 4 marks)

8.

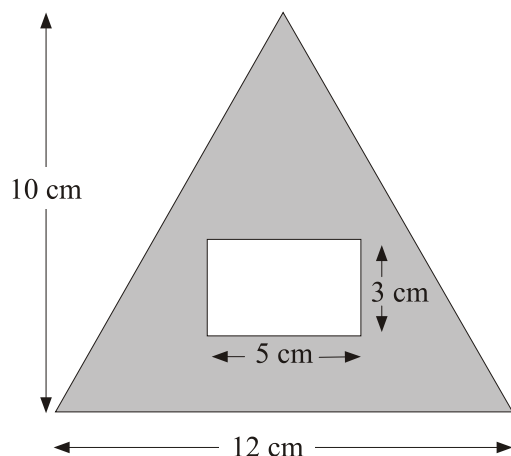


Diagram **NOT** accurately drawn

The diagram shows a rectangle inside a triangle.

The triangle has a base of 12 cm and a height of 10 cm.

The rectangle is 5 cm by 3 cm.

Work out the area of the region shown shaded in the diagram.

..... cm<sup>2</sup>

(Total 3 marks)



9.

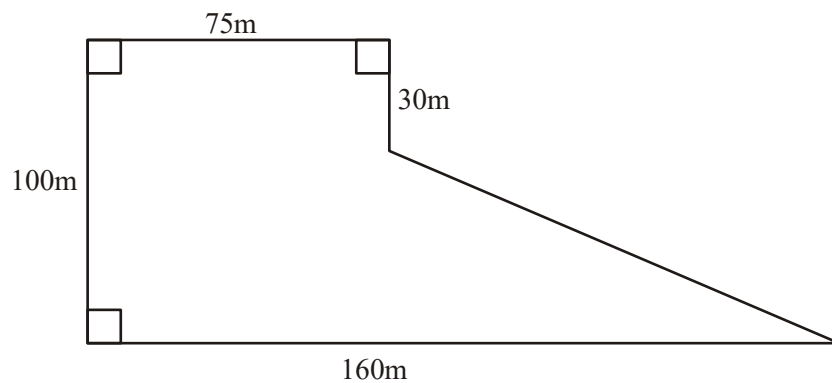


Diagram **NOT** accurately drawn

The diagram shows the plan of a field.  
The farmer sells the field for £3 per square metre.

Work out the total amount of money the farmer should get.

£ .....

(Total 5 marks)