

GCSE Mathematics

F

Area of Compound Shapes

Foundation | Grades 4-5

Total Marks	Time	Questions
65	65 min	20

Instructions:

- Do not use a calculator when you see: 
- Answer all questions in the spaces provided.
- Show all your working - marks are awarded for method as well as final answers.
- Cross through any work you do not want to be marked.
- Check your answers if you have time at the end.

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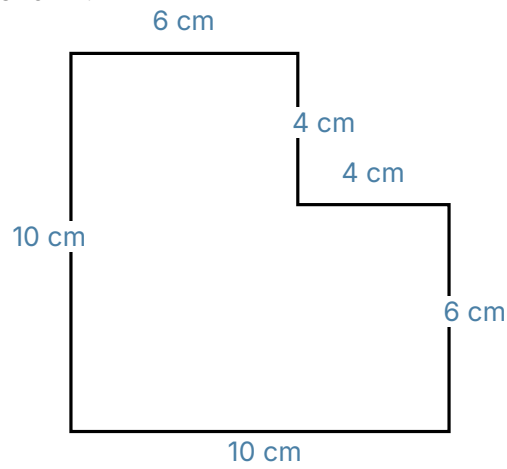
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Edexcel-style questions**Q1** 

Grade 4

Edexcel style

Find the area of the L-shape shown.

*Diagram NOT accurately drawn*

Answer _____

Q2

Grade 4

Edexcel style

The diagram shows a 10 cm by 8 cm rectangle with a rectangular notch cut from one corner. Find the area of the remaining shape.

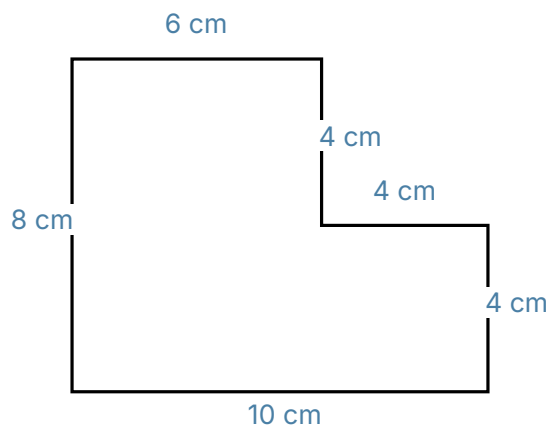


Diagram NOT accurately drawn

Answer _____

Q3

Grade 5

Edexcel style

Find the area of the L-shape shown. You will need to work out the length marked x first.

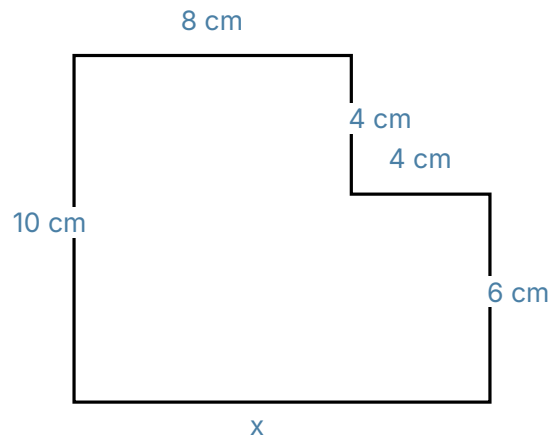


Diagram NOT accurately drawn

Answer _____

Q4

Grade 5

Edexcel style

The diagram shows a shape made from a rectangle with a triangular roof. The rectangle measures 8 cm by 5 cm, and the roof triangle has a height of 3 cm. Find the total area.

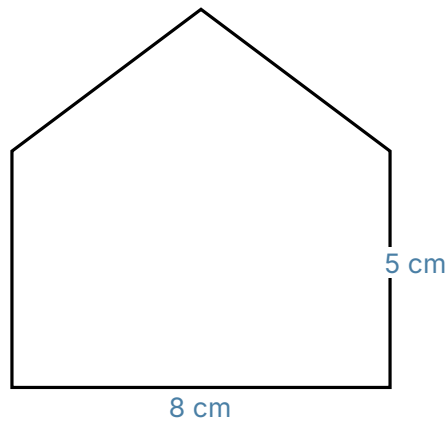


Diagram NOT accurately drawn

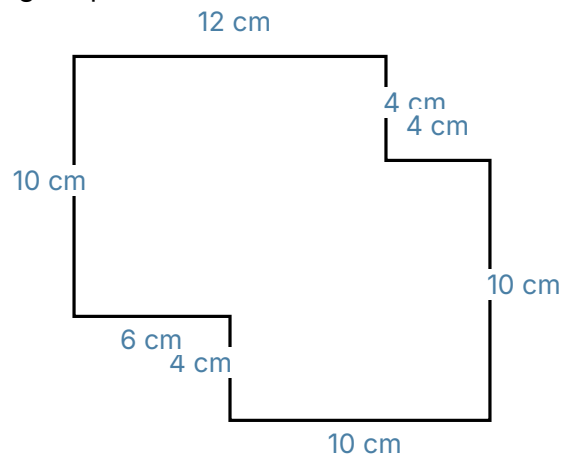
Answer _____

Q5

Grade 5

Edexcel style

The diagram shows a 16 cm by 14 cm rectangle with two rectangular notches cut out, as shown. Find the area of the remaining shape.



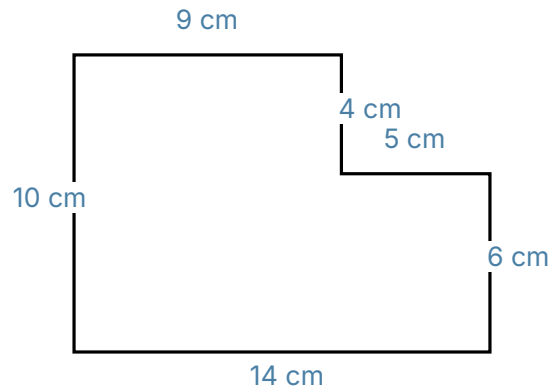
Answer _____

AQA-style questions**Q6** 

Grade 4

AQA style

Find the area of the L-shape shown.

*Diagram NOT accurately drawn*

Answer _____

Q7

Grade 4

AQA style

The diagram shows a 12 cm by 8 cm rectangle with a rectangular notch cut from one corner. Find the area of the remaining shape.

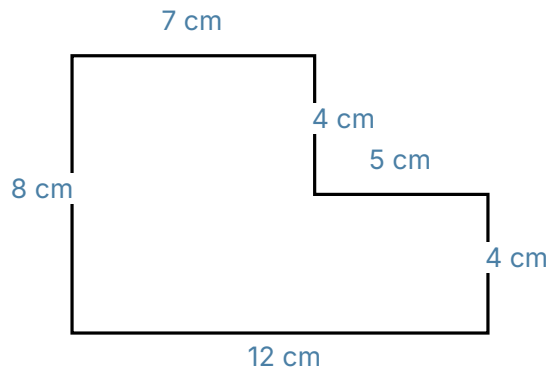


Diagram NOT accurately drawn

Answer _____

Q8

Grade 5

AQA style

Find the area of the L-shape shown. You will need to work out the length marked x first.

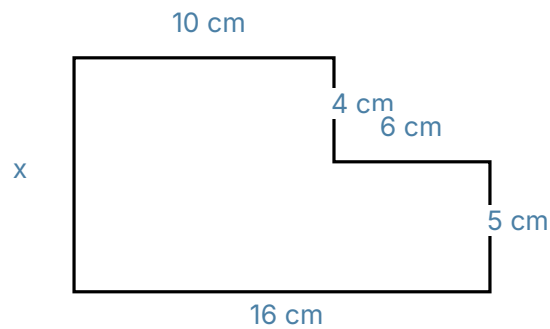


Diagram NOT accurately drawn

Answer _____

Q9

Grade 5

AQA style

The diagram shows a shape made from a rectangle with a triangular roof. The rectangle measures 10 cm by 6 cm, and the roof triangle has a height of 4 cm. Find the total area.

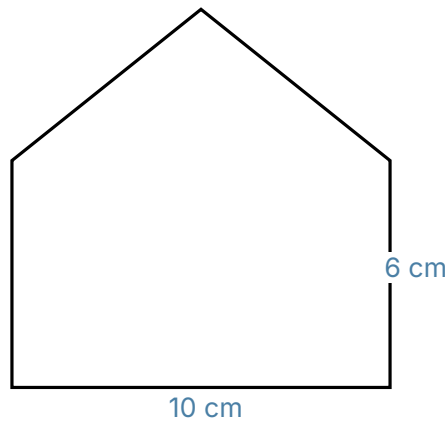


Diagram NOT accurately drawn

Answer _____

Q10

Grade 5

AQA style

An L-shape is made from a 12 cm by 8 cm rectangle, with a rectangular notch of width 4 cm cut from one corner. The area of the L-shape is 84 cm^2 . Find the height of the notch, marked h .

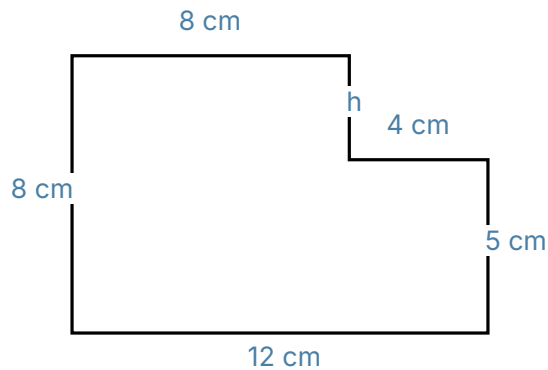


Diagram NOT accurately drawn

Answer _____

OCR-style questions

Q11 

Grade 4

OCR style

Find the area of the L-shape shown.

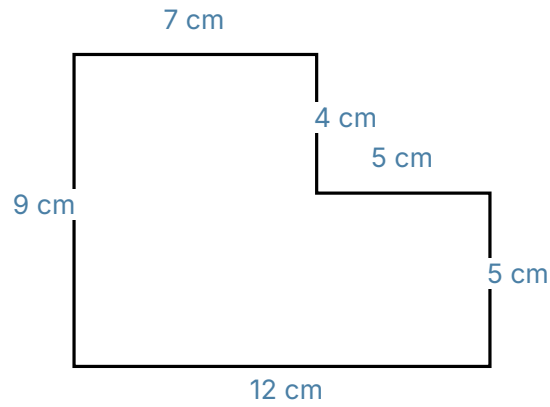


Diagram NOT accurately drawn

Answer _____

Q12

Grade 4

OCR style

The diagram shows an 11 cm by 9 cm rectangle with a rectangular notch cut from one corner. Find the area of the remaining shape.

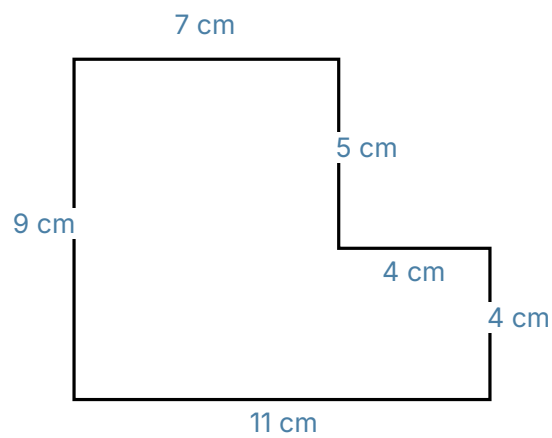


Diagram NOT accurately drawn

Answer _____

Q13

Grade 5

OCR style

Find the area of the L-shape shown. You will need to work out the length marked x first.

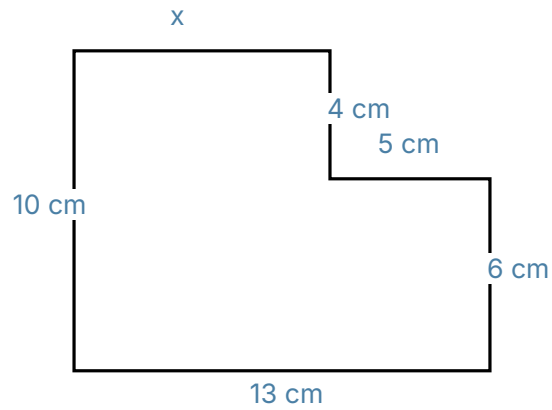


Diagram NOT accurately drawn

Answer _____

Q14

Grade 5

OCR style

The diagram shows a shape made from an 8 cm by 6 cm rectangle, with a semicircle of diameter 8 cm attached to the top. Find the total area, leaving your answer in terms of π .

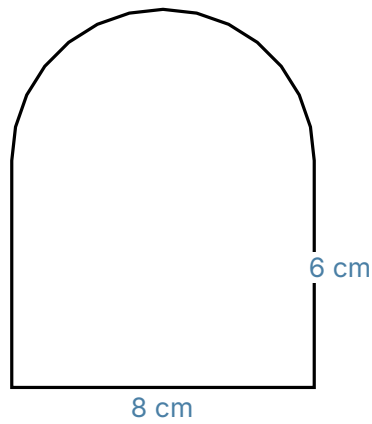


Diagram NOT accurately drawn

Answer _____

Q15

Grade 5

OCR style

A rectangle measures 10 cm by 8 cm. A triangular corner is cut off, removing a right-angled triangle with a base of 4 cm and a height of 5 cm. Find the area of the remaining shape.

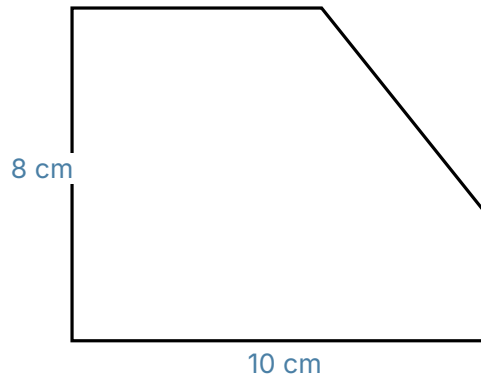


Diagram NOT accurately drawn

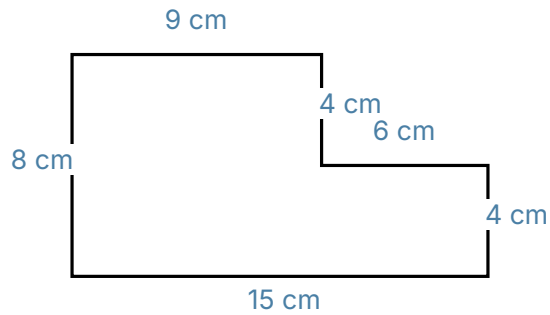
Answer _____

Teachably-style questions**Q16** 

Grade 4

Teachably style

Find the area of the L-shape shown.

*Diagram NOT accurately drawn*

Answer _____

teachably

[3 marks]

Q17

Grade 4

Teachably style

The diagram shows a 13 cm by 9 cm rectangle with a rectangular notch cut from one corner. Find the area of the remaining shape.

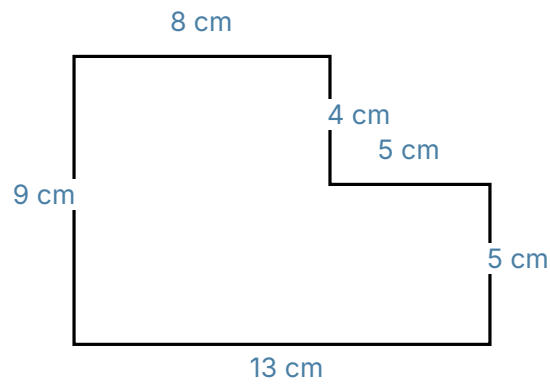


Diagram NOT accurately drawn

Answer _____

Q18

Grade 5

Teachably style

Find the area of the L-shape shown. You will need to work out the length marked x first.

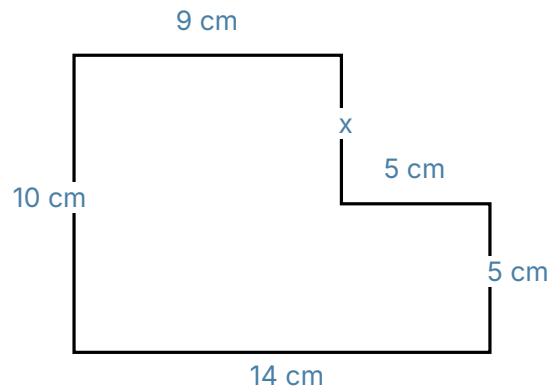


Diagram NOT accurately drawn

Answer _____

Q19

Grade 5

Teachably style

The diagram shows a shape made from a 12 cm by 6 cm rectangle, with a semicircle of diameter 6 cm attached to one of the shorter ends. Find the total area, leaving your answer in terms of π .

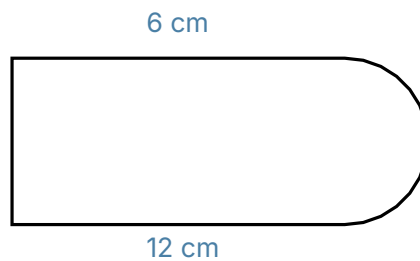


Diagram NOT accurately drawn

Answer _____

teachably

[3 marks]

Q20

Grade 5

Teachably style

The diagram shows a shape made from a 10 cm by 6 cm rectangle, with a semicircle attached to each of the two shorter (6 cm) ends. Find the total area, leaving your answer in terms of π .

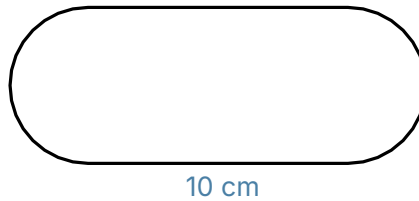


Diagram NOT accurately drawn

Answer _____

teachably

[3 marks]**END OF PAPER****Want help from an expert maths tutor?**

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