Name: _____

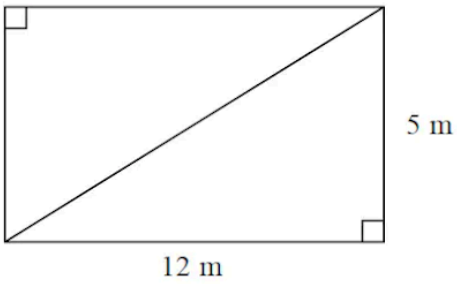
GCSE (1 - 9) Pythagoras Theorem	Solutions:

These questions are compiled from *released* Pearson Edexcel GCSE maths exam papers
They contain exam questions from up until the ***Summer 2023*** exam series
More recent exam papers do exist but are withheld for mock exams
As new exam papers are released these worksheets will gradually be updated
The ***most current*** version of these worksheets will always be available at: kennethstafford.co.uk

Question	Where the question appeared
1	Edexcel, GCSE, Summer 2017, Paper 1F, Q25
2	Edexcel, GCSE, Autumn 2017, Paper 2F, Q22
3	Edexcel, GCSE, Summer 2018, Paper 2F, Q26
4	Edexcel, GCSE, Autumn 2020, Paper 2F, Q27
5	Edexcel, GCSE, Autumn 2021, Paper 3F, Q19
6	Edexcel, GCSE, Autumn 2021, Paper 2F, Q25
7	Edexcel, GCSE, Summer 2021, Paper 3F, Q22

1

This rectangular frame is made from 5 straight pieces of metal.



The weight of the metal is 1.5 kg per metre.

Work out the total weight of the metal in the frame.

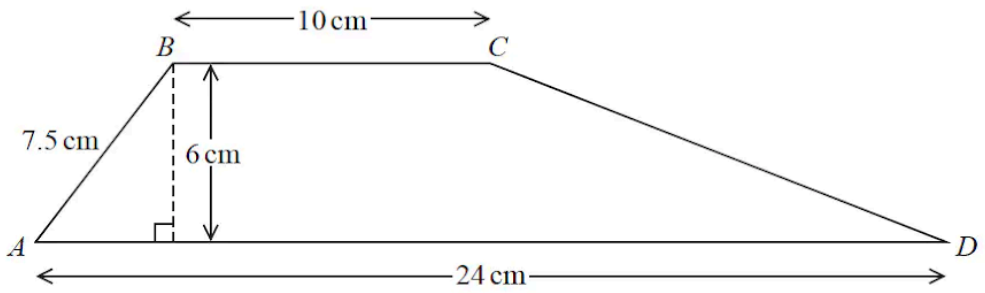
..... kg

(Total for Question 25 is 5 marks)

[Edexcel, GCSE, Summer 2017, Paper 1F, Q25]

2

$ABCD$ is a trapezium.



Work out the size of angle CDA.
Give your answer correct to 1 decimal place.

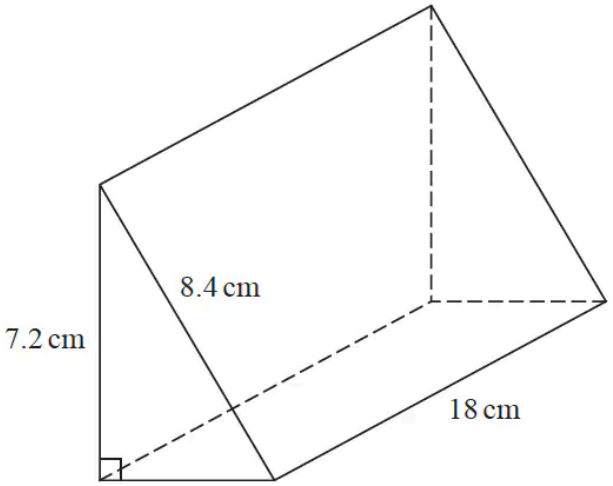
.....°

(Total for Question 22 is 5 marks)

[Edexcel, GCSE, Autumn 2017, Paper 2F, Q22]

3

Here is a triangular prism.



Work out the volume of the prism.
Give your answer correct to 3 significant figures.

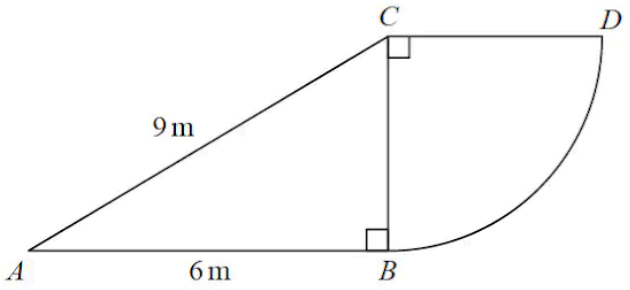
..... cm^3

(Total for Question 26 is 5 marks)

[Edexcel, GCSE, Summer 2018, Paper 2F, Q26]

4

The diagram shows a right-angled triangle and a quarter circle.



The right-angled triangle ABC has angle $ABC = 90°$
The quarter circle has centre C and radius CB.

Work out the area of the quarter circle.
Give your answer correct to 3 significant figures.
You must show all your working.

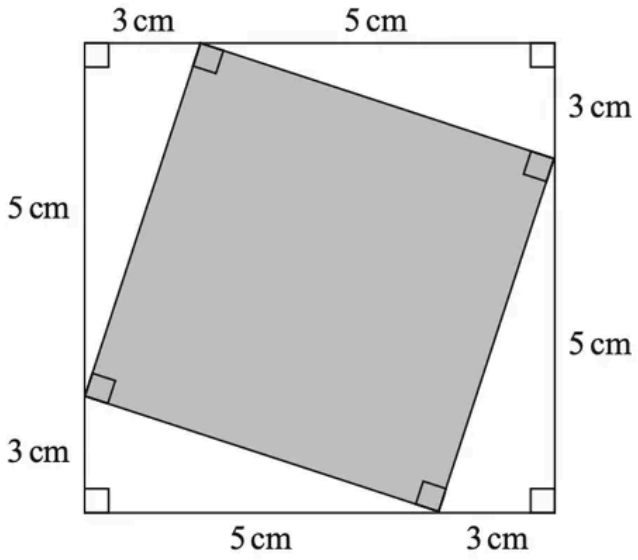
..... m^2

(Total for Question 27 is 4 marks)

[Edexcel, GCSE, Autumn 2020, Paper 2F, Q27]

5

This diagram shows two squares.



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

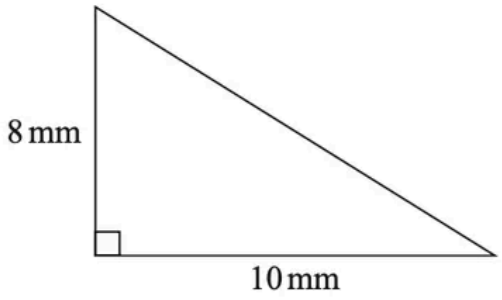
.....

(Total for Question 19 is 4 marks)

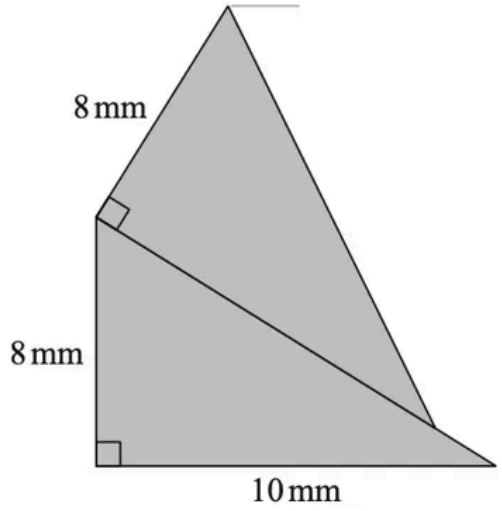
[Edexcel, GCSE, Autumn 2021, Paper 3F, Q19]

6

Here is a right-angled triangle.



The shaded shape below is made from two of these triangles.



Work out the perimeter of the shaded shape.
Give your answer correct to 3 significant figures.

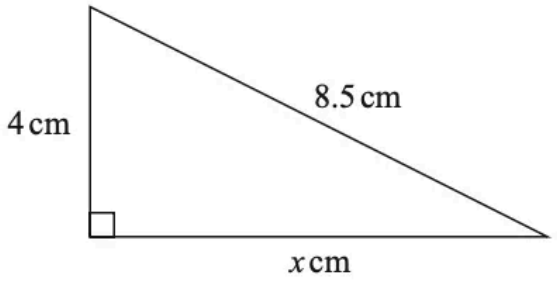
..... mm

(Total for Question 25 is 4 marks)

[Edexcel, GCSE, Autumn 2021, Paper 2F, Q25]

7

Here is a right-angled triangle.



Work out the value of x.

$x =$ .....

(Total for Question 22 is 2 marks)

[Edexcel, GCSE, Summer 2021, Paper 3F, Q22]