Name: _____

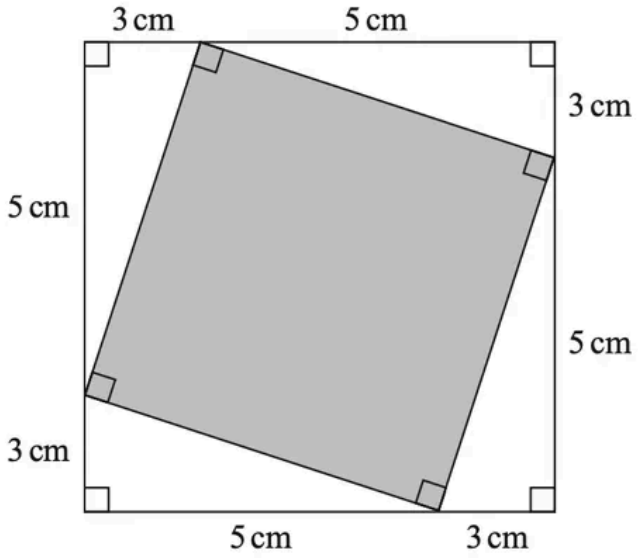
GCSE (1 - 9) Area of Compound Shapes	Solutions:

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, Autumn 2021, Paper 3F, Q19
2	Edexcel, GCSE, Autumn 2021, Paper 3F, Q27
3	Edexcel, GCSE, Autumn 2020, Paper 2F, Q27
4	Edexcel, GCSE, Autumn 2018, Paper 1F, Q26
5	Edexcel, GCSE, Autumn 2017, Paper 1F, Q26

1

This diagram shows two squares.



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

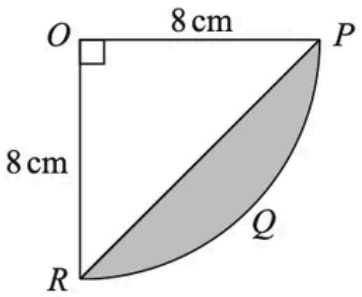
.....

(Total for Question 19 is 4 marks)

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

2

The diagram shows a sector $OPQR$ of a circle, centre O and radius 8 cm.



OPR is a triangle.

Work out the area of the shaded segment PQR.
Give your answer correct to 3 significant figures.

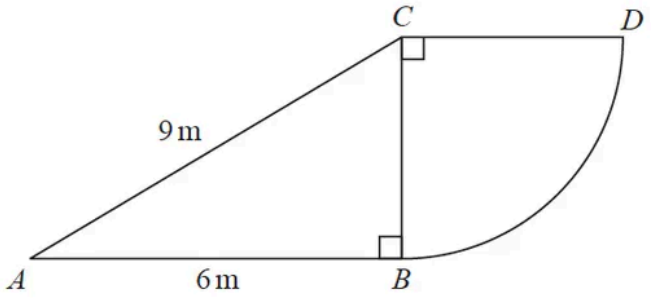
..... cm^2

(Total for Question 27 is 4 marks)

[Edexcel, GCSE, Autumn 2021, Paper 3F, Q27]

3

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.

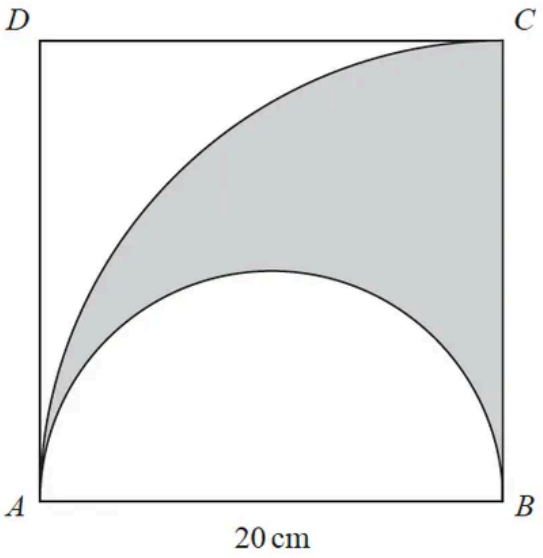
..... m^2

(Total for Question 27 is 4 marks)

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

4

The diagram shows a square $ABCD$ with sides of length 20 cm.
It also shows a semicircle and an arc of a circle.



AB is the diameter of the semicircle.
AC is an arc of a circle with centre B.

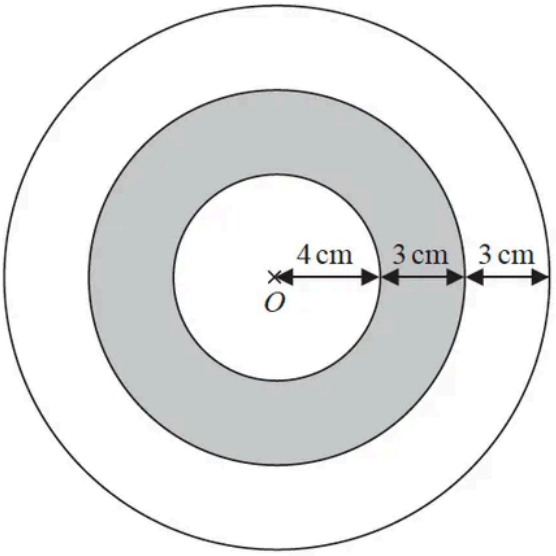
Show that $\dfrac{\text{area of shaded region}}{\text{area of square}} = \dfrac{\pi}{8}$

(Total for Question 26 is 4 marks)

[Edexcel, GCSE, Autumn 2018, Paper 1F, Q26]

5

The diagram shows a logo made from three circles.



Each circle has centre O.

Daisy says that exactly $\frac{1}{3}$ of the logo is shaded.

Is Daisy correct?
You must show all your working.

(Total for Question 26 is 4 marks)

[Edexcel, GCSE, Autumn 2017, Paper 1F, Q26]