

GCSE Mathematics



RESPECT - RESPONSIBILITY - READINESS - REFLECTIVENESS - RESILIENCE

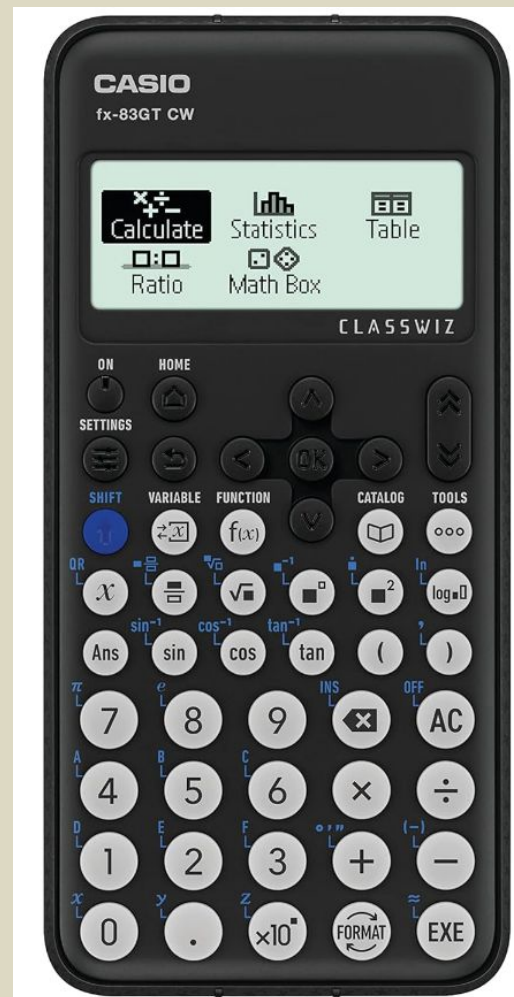


RESPECT - RESPONSIBILITY - READINESS - REFLECTIVENESS - RESILIENCE

Our recommended
calculator is

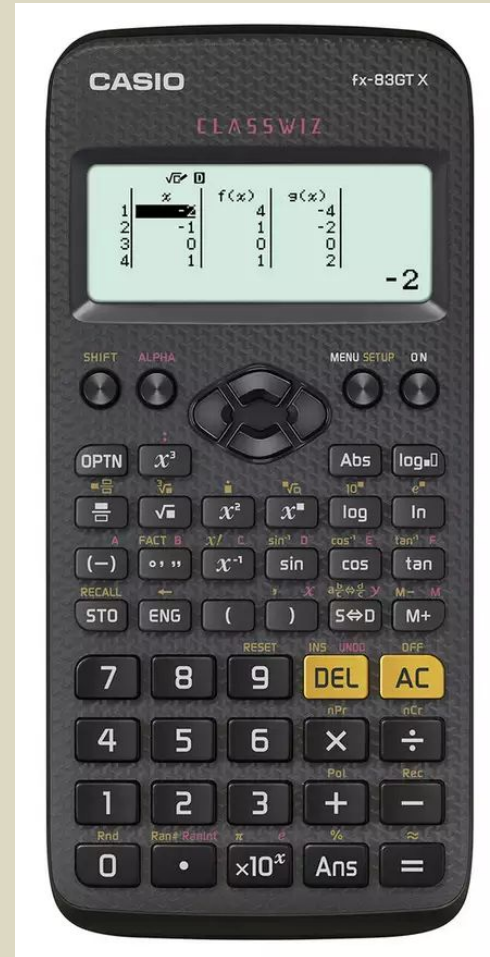
Casio FX-83GTCW

This is available from most
retailers



Old Casio calculator is just as good!

The students are familiar with it.



Equipment List

Pen

Pencil

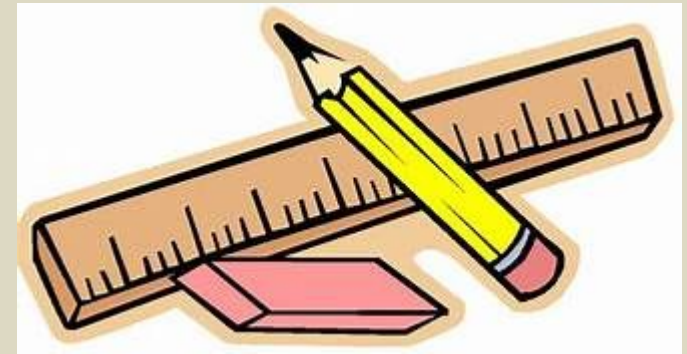
Ruler

Eraser

Protractor

Pair of compasses

Calculator



Maths workshop

Every Tuesday 3:15 to 4:15 in MA6 and Comp 2



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Revision information



RESPECT - RESPONSIBILITY - READINESS - REFLECTIVENESS - RESILIENCE

The best way to revise Maths is to **do** Maths

- 1) Watch videos on a topic
- 2) Complete questions on a topic
- 3) Create revision cards



End of Year 10 Revision List – Foundation Maths

Paper 1

Topic	Sparx Code
Adding & subtracting decimals	U478
Finding the area and perimeter of simple shapes	U993
Solving equations with two or more steps	U325
Adding and subtracting integers	U417
Angles	U390, U599
Area of compound shapes	U970, U925
Averages	U717
Calculating the mean	U291, U599
Converting between fractions, decimals and percentages	U888
Converting between mixed numbers and improper fractions	U692
Converting units of length, mass and capacity	U388
Dividing with mixed numbers	U538
Drawing and interpreting pictograms	U506
Drawing bar charts	U363
Estimating and measuring	U102
Expanding single brackets	U179
Finding areas using grids	M900
Finding fractions of amounts	U881



Compulsory



XP Boost



Target



Independent
Learning

- Compulsory homework
- XP Boost (additional practice on the current topics)
- Target (topics the student needs to work on)
- Select your own topics


Compulsory


XP Boost


Target


Independent Learning

Independent Learning

Find topics

My activity

Search for topics:

Enter topic name or code

Your curriculum:

Key Stage 3

Default level:

Level 2

Select a topic:

Number



Algebra



Ratio and Proportion



Geometry



Mixed problems: Finding the area and perimeter of simple shapes

U993

Level 2



Sorry, there are no building blocks available for this topic.

Finding the area and perimeter of rectangles



Introduce

Question 1

Answer

Question 2

Answer

Question 3

Answer

Question 4

Answer

Question 5

Answer



Strengthen

Question 1

Answer

Question 2

Answer

Question 3

Answer

Question 4

Answer

Question 5

Answer



Deepen

Question 1

Answer

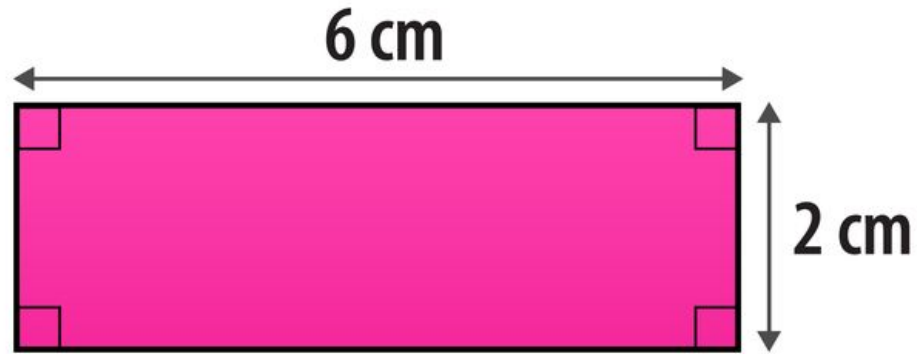
Question 2

Answer

Question 3

Answer

Work out the **area** and **perimeter** of the rectangle below.
(Hint: remember to write down the units of your answers.)



Not drawn accurately

[Zoom](#)

[Watch video](#)

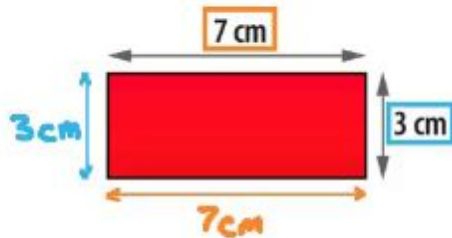
[Answer](#)



or



Find the area and perimeter of the rectangle below.



Not drawn accurately

Area is the amount of space inside a 2D shape

area of a rectangle = length \times width

$$\begin{aligned}\text{area} &= 7 \times 3 \\ &= 21\end{aligned}$$

Perimeter is the distance around the edge of a shape

Add up all of the side lengths

$$\begin{aligned}\text{perimeter} &= 7 + 3 + 7 + 3 \\ &= 20\end{aligned}$$

Remember units

$$\begin{aligned}\text{area} &= 21 \text{ cm}^2 \\ \text{perimeter} &= 20 \text{ cm}\end{aligned}$$

ans

▶ 0:00 / 0:56

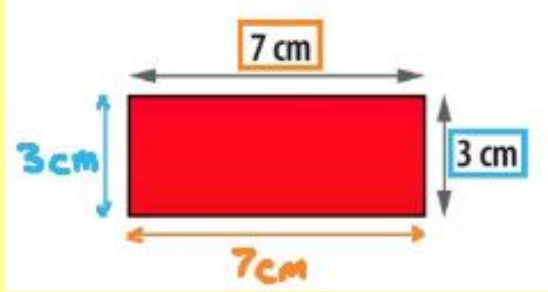


Close video X

Create a revision card

Front of the card

Find the area and perimeter of the rectangle below.



Back of the card

$$\begin{aligned} \text{area} &= 7 \times 3 \\ &= 21 \end{aligned}$$
$$\begin{aligned} \text{perimeter} &= 7 + 3 + 7 + 3 \\ &= 20 \end{aligned}$$



Corbettmaths

Videos and Worksheets

Click here for answers

2D shapes: names [Video 1](#) [Practice Questions](#) [Textbook Exercise](#)

2D shapes: quadrilaterals [Video 2](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: names [Video 3](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: nets [Video 4](#) [Practice Questions](#) [Textbook Exercise](#)

3D shapes: vertices, edges, faces [Video 5](#) [Practice Questions](#) [Textbook Exercise](#)

Addition: column method [Video 6](#) [Practice Questions](#) [Textbook Exercise](#)



Corbettmaths

Ctrl and f = search for a topic



Corbett
maths

Area of a Rectangle
Video 45 on Corbettmaths

Examples

Workout



Click here



Scan here

Question 1: Calculate the area of each of these rectangles

(a)



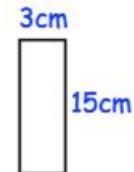
(b)



(c)



(d)



Your turn

Search for a topic

Try the interactive questions



Student login

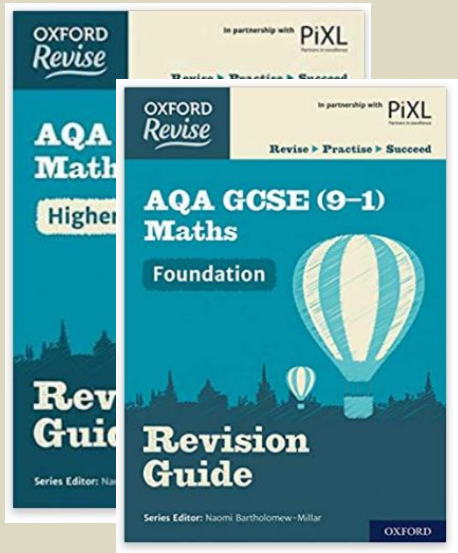
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Password = ngatepassword1

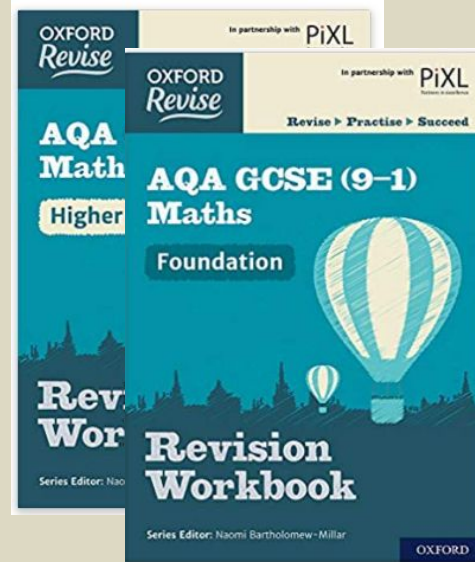


Corbettmaths

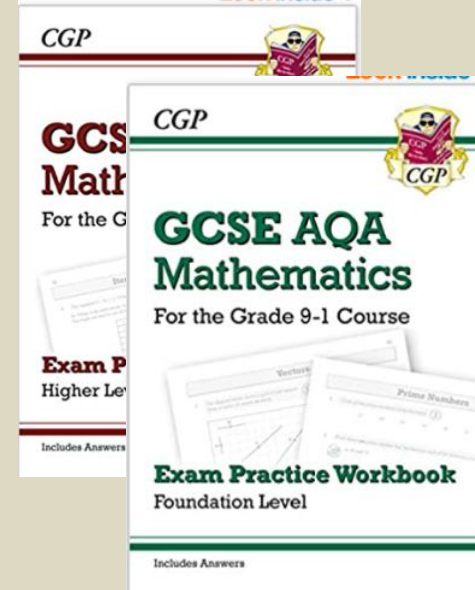
Revision materials



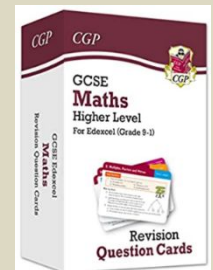
Revision guides



Workbook



Exam practice book



Box of questions cards

