

GIS will be introducing all MYP students to “Mathsonline” this week.

What Is Mathsonline?

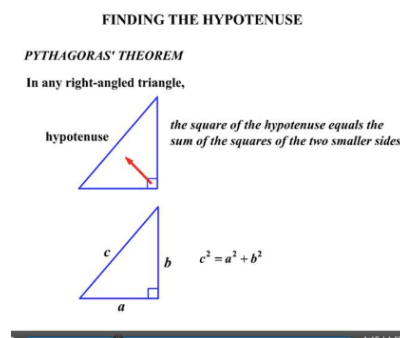
Mathsonline is an online math platform that helps develop students understanding as well as deepens their knowledge of different math concepts. This platform allows us at GIS to structure math lessons and homework to support individual learning for each student. Each student will get their own login information to access this service.

Control your Own Pace of Learning

One of the most powerful features of MathsOnline is the ability to stop and rewind the teacher to repeat anything your child doesn't fully understand. As many times as they like - until they feel comfortable. There's no embarrassment factor and Pat will never get frustrated

View the Tutorial

Each of the 1,400+ MathsOnline tutorials last around 4-9 minutes and present the concepts of the maths lesson step-by-step. Using synchronised audio and animation which **harnesses both audio and visual learning styles** simultaneously. MathsOnline lessons can be studied at home or at school and all devices. Obviously no one can force a young person to study maths, but what we have done here is to provide materials that are interesting and stimulating in themselves, and which will encourage the student, once started, to continue studying.



Completing the Interactive Questions or Worksheets.

Following each maths tutorial there are interactive questions or an optional printable worksheet which tests the understanding of key concepts. Answers are entered into MathsOnline automated marking system which then stores the results in each individual student's ongoing progress report. This brings in the third learning style - **Kinaesthetic**, which is the process of actually doing the maths yourself.

PROGRESS SCORE SO FAR 0% CORRECT 0 out of 0



Barry sells second-hand cars at Barry's Bargains. He sold 240 cars in 2009.

The graph shows the break-up of his sales during each season.

One Page Summaries

A printable one page summary of each tutorial provides the student with **concise and complete** notes from the maths tutorial. Ideal as a reminder for homework, revision and review.

COMPOSITE SHAPES

Examples

(i) Find the area

$A_1 = LB$
 $= 7 \times 5$
 $= 35 \text{ cm}^2$

$A_2 = LB$
 $= 12 \times 8$
 $= 96 \text{ cm}^2$

$\text{Area} = A_1 + A_2$
 $= 35 + 96$
 $= 131 \text{ cm}^2$

(iii) Find the area

$A_{\text{big}} = LB$
 $= 15 \times 12$
 $= 180 \text{ cm}^2$

$A_{\text{small}} = LB$
 $= 7 \times 5$
 $= 35 \text{ cm}^2$

$\text{Area} = A_{\text{big}} - A_{\text{small}}$
 $= 180 - 35$
 $= 145 \text{ cm}^2$

(iv) Find the shaded area

$A_{\text{big}} = LB$
 $= 20 \times 12$

View Worked Solutions

After answers have been submitted, printable fully worked solutions become available **showing every step which should be taken** to reach the correct answer, just as it should be done in a maths summative.

Area of Composite Shapes 1

Calculate the area in each shape:

Q1 Q2 Q3 Q4

Q5 Q6 Q7 Q8

Q9 Q10 Q11

DIAGRAMS ARE NOT TO SCALE

Calculate the shaded area in each shape:

Q12 Q13 Q14 Q15

Marking and Reports

Ongoing progress reports are built for each individual. This helps parents and students in identifying weaker areas requiring further study. Every maths lesson a student attempts is logged and the results stored along with statistical information detailing when they passed, what they scored and how much time and effort they put in to pass that lesson. Parents can **instantly see the areas where their children may need additional help**

