Welcome to GCSE Mathematics at Seaford Head School

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GCSE Maths at Seaford Head

- There are 5 sets in maths.

- All classes follow the same scheme of work in year 9 which allows all students to have the opportunity to cover the higher tier

- Then in year 10 sets 1 - 2 work towards sitting the higher tier and sets 4 – 5 work towards the foundation tier.

- Set 3 work towards sitting the higher entry at GCSE but may be entered for the foundation to secure a grade 4/5.

- Your child may move between sets if progressing very well or conversely struggling to keep up.

GCSE Maths outline

- Two Tiers; Foundation (Grades 5 to 1) and Higher (Grades 9 to 3)

- 3 exam papers (80 marks each).

  1 non-calculator and 2 calculator.

- Both tiers have increased content and difficulty compared to pre-2017 exam requirements

- More problem solving, reasoning & interpreting

3 kg of carrots cost £1.80
2 kg of carrots and 5 kg of potatoes cost a total of £3.45

Work out the total cost of 4 kg of carrots and 2 kg of potatoes.
You must show all your working.

At the end of 2017
        the value of Tamara's house was £220 000
        the value of Rahim's house was £160 000

At the end of 2019
        the value of Tamara's house had decreased by 20%
        the value of Rahim's house had increased by 30%

At the end of 2019, whose house had the greater value?
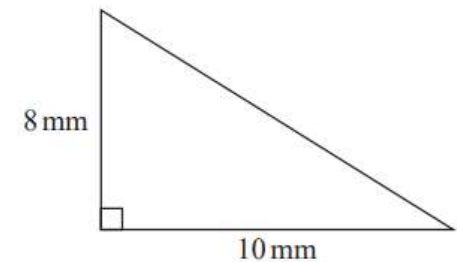You must show how you get your answer.
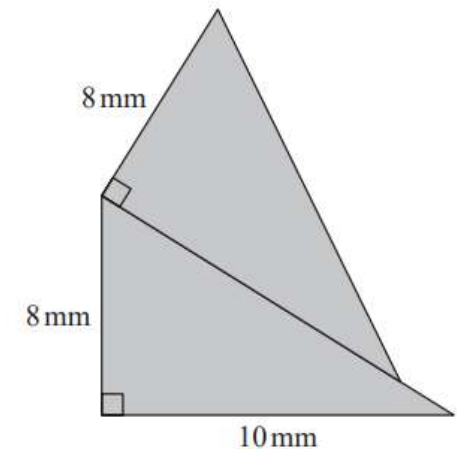
The first four terms of a Fibonacci sequence are

$$a \qquad 2a \qquad 3a \qquad 5a$$

The sum of the first five terms of this sequence is 228

Work out the value of a.

Here is a right-angled triangle.

8 mm

10 mm

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

8 mm

8 mm

10 mm

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

Mathematics GCSE Expectations

- Hard Work!

- 'Can do' attitude

- Best attendance possible

- Properly equipped, a casio calculator is what we would recommend

Mathematics GCSE – Your teachers:

- Excellent experienced teachers with proven track records

- 79% pass at GCSE Grades 9-4

- 51% of students awarded Grade 5 or above

Mathematics GCSE – also…

- Weekly after-school sessions for pupils to come for help on a Wednesday in room 9.

- At least one member of the Maths department available to help every lunchtime in room 14 at Sparx club.

What can you do for your Mathematics GCSE?

- A positive attitude towards Maths!
- The use of Sparx Maths
- Other revision websites- Maths Genie, Corbett Maths, Save my exams, Dr Frost Maths, BBC bitesize,….
- There's always a video
- Revision guides
- Learn with your child
- Regular practice by creating a revision timetable

Why do I need a Mathematics GCSE?

- No GCSE = No University

- You may not get your first choice subjects

- Compulsory to retake if Grade 3 or below

- This is a qualification to show that you can think logically and solve problems!

- You will have to present your Maths GCSE grade in every job application forever!