Secondary Maths

Mrs Bain- Co-ordinator





Success!

Students in this Maths department do better than national expectations

Excellent team of dedicated teachers

You are part of the success!

Only the best will do!!!





Mastery

We base our teaching methods on the best countries in the world!





Representations of the maths using equipment and pictures

Learn the key facts and know how to apply them

Plan our examples to really get you thinking!

Problem solving at the heart





Routines

Weekly Do Now schedule: Number up, Algebra, Fractions/ Ratios, Knowledge Organiser

Exit ticket each week with feedback next lesson





Homework Set Friday to Friday

Hegarty maths: 1 task based on current class work

1 Key skills task to be done in the back of your book

Both checked by your maths teacher (not your tutor)





Help Club

Tuesday breaktime in the open space near the courtyard/ agora exit







Weekly tutor time challenges and certificates for the highest scorers!





Maths Puzzle Club





The magic of the bar model!





Harry and Meg have some money.

Meg spends $\frac{1}{3}$ of her money.

Harry spends $\frac{2}{5}$ of his money.

They now have the same amount of money.

If Harry spends £162

How much money did Meg have at the start?





What's the pattern?

Unit fractions (fractions which have numerators of 1) can be written as the sum of two <u>different</u> unit fractions.

For example

$$\frac{1}{2} = \frac{1}{3} + \frac{1}{6}$$

Charlie thought he'd spotted a rule and made up some more examples.

$$\frac{1}{2} = \frac{1}{10} + \frac{1}{20}$$

$$\frac{1}{3} = \frac{1}{4} + \frac{1}{12}$$

$$\frac{1}{3} = \frac{1}{7} + \frac{1}{21}$$

$$\frac{1}{4} = \frac{1}{5} + \frac{1}{20}$$

Are all his examples correct?

What do you notice about the sums that are correct?

Find some other correct examples..



MRSBAIN

What letter is the number 99 under?



