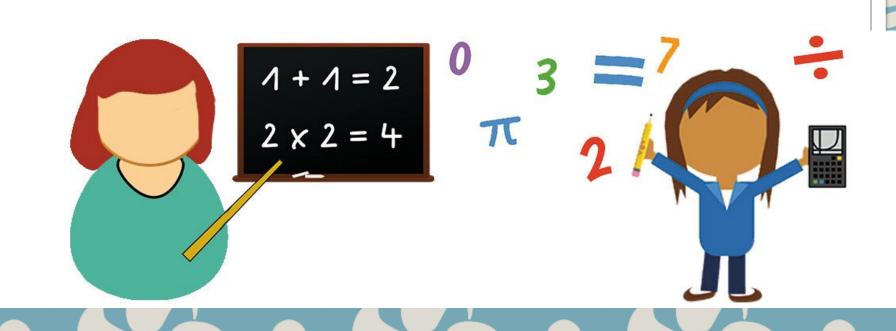
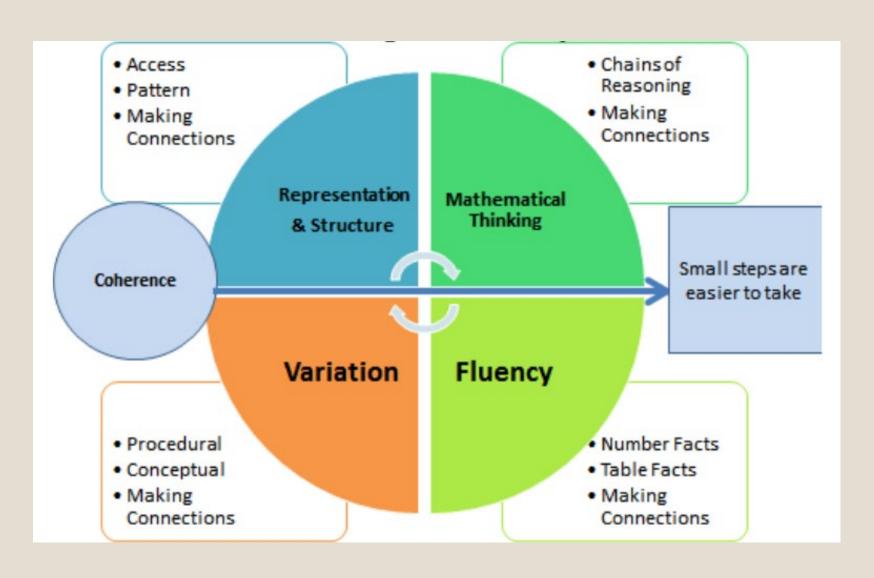
MASTERY MAATHS



The big five ideas



Our school aim

To allow all children the chance to be confident mathematicians.

Hows

By making maths fun.

By helping children understand maths.

By challenging children to think deeper about mathematical problems.

By delivering high quality lessons.

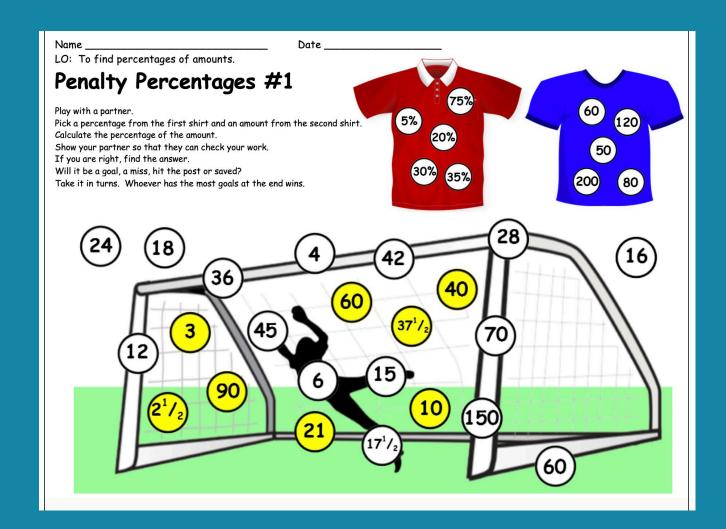


What our school does

- We have a clear lesson structure in place.
- We always start with a game.
 - We discuss key vocabulary.
- We use lots of partner talk and group discussion.
- We run extra fluency activities outside our maths lessons.

Game – this can be anything that will get the children engaged from the start of the lesson.

Have a go at this one...



Next...

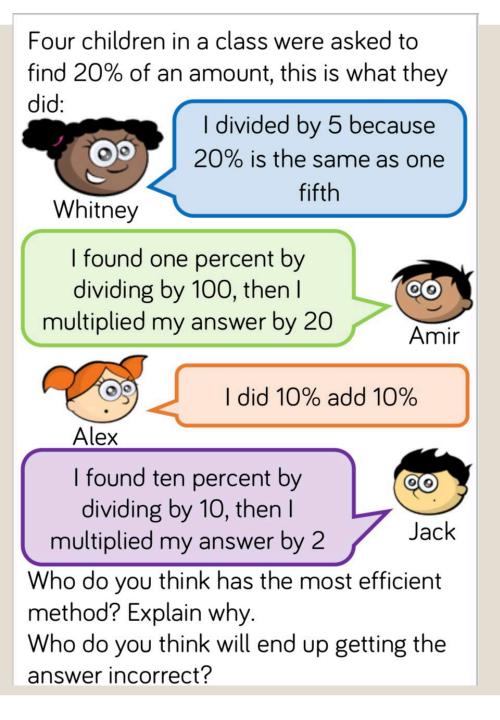
Key vocabulary

Always using the correct language even if it's difficult.

Vocabulary

Numerator
Denominator
Quotient
Multiply
Divide
Improper fraction
Mixed number fraction

Challenge – Get the children talking again...

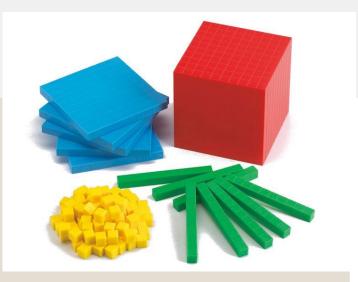


Input – What are we learning today? How do we do it?
Visual images
Concepts
Manipulatives

20

Make me a number sentence starting with 20 using one of the words below.

- Minus
- Less than
- Take-away
- Subtract
- Difference
- Calculation



Work -

We use mild, spicy and hot.

Includes fluency, problem solving and word problems

21/11/2019

L.O: To confidently add improper fractions.

M	ild	Spicy	Hot
1.)	5/4 + 7/4 1.)	6/4 + 9/4	1.) 2 ¼ + 4 ½
2.)	5/3 + 4/3 2.)	5/2 + 4/2	2.) 9/5 + 5/4
3.)	8/7 + 9/7 3.]	2 3/4 + 1 1/4	3.) 8 ¾ + 9 2/5
4.)	9/5 + 10/5 4.)	4 ½ + 5 ½	4.) 11/5 – 3/2
5.)	4/2 + 3/2 5.)	3 1/4 + 5 1/2	5.) 11/8 – 9/3

Mr Waring was very tired when he made this sheet and is unsure if some of his answers are correct. Can you work out the answers, correct Mr Waring's mistakes and explain what he did wrong?

Plenary - Challenge

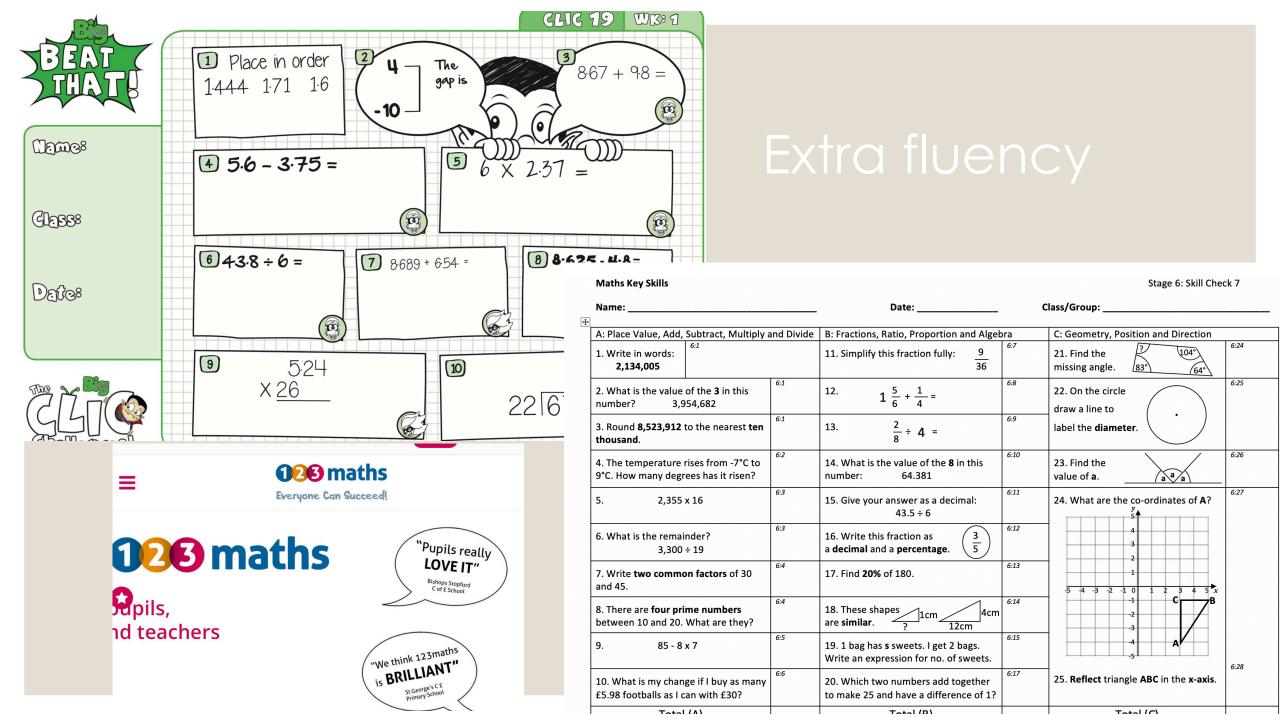
Open ended so all children can answer.

How many ways can you find 45% of 60?

Use similar strategies to find 60% of 45

What do you notice?

Does this always happen?
Can you find more examples?



In conclusion

We allow the children lots of opportunities to talk about maths and to share ideas.

We try to include all children in each maths lesson.

We try to encourage the children to think deeper about their work.

We try to make maths fun!!!