Key Instant Recall Facts

Year 5 Spring 1

We believe that the rapid recall of key facts underpins the success and progress of all in maths. Children will be introduced to their key facts at the beginning of each half term and then practise them regularly in class. Children will then be expected to practise these key facts at home.

The key fact this half term is

To multiply and divide by 10, 100 and 1000.

Key Facts

7 x 10 = 70	10 x 7 = 70	25 ÷ 1000 = 0.025
70 ÷ 7 = 10	70 ÷ 10 = 7	2.5 X 1000 = 2500
30 x 10 = 300	10 x 30 = 300	
300 ÷ 30 = 10	300 ÷ 10 = 30	
0.8 x 10 = 8	10 x 0.8 = 8	
8 ÷ 0.8 = 10	8 ÷ 10 = 0.8	

These are just examples of the facts for this half term. Children should be able to answer these questions in any order, including missing number questions.

e.g. 10 x __ = 5 or __ ÷ 10 = 60

Key Vocabulary

What is 5 **multiplied by** 10?

What is 10 **times** 0.8?

What is 700 **divided by** 70?

What is the **product** of 30 and 10?

Thousands, hundreds, tens, ones, tenths, hundredths

Parents / carers - it might be tempting to tell your child to take off or add zeros when multiplying and dividing by 10, 100 and 1000. This does not work when calculating with decimals. Encourage your child to explain the effect of using place value and moving digits instead.

MAKE IT FUN

Play a game – get a pack of number cards and turn them over one by one. Multiply or divide the number on the card by 10, 100 or 1000. How many can you get right in 2 minutes?

https://nrich.maths.org/10421

https://nrich.maths.org/2006

MAKE IT LINK

https://www.bbc.co.uk/bitesize/topics/zwbtrmn/articles/zkqfp4j

https://www.bbc.co.uk/bitesize/topics/zwbtrmn/articles/zsbqdp3

Times or Divide Bingo - 7-11 year olds - Topmarks Select DECIMALS. Select the other two games if you need support.

DEEPEN IT

Jack is thinking of a 3 digit number. When he multiplies his number by 100, the ten thousands and hundred digits are the same. The sum of the digits is 10. What could his number be?
Is there more than one solution? How do you know if you have found all of the possible answers?

Is this statement always, sometimes or never true? Explain your answer. **Dividing by 100 is the same as dividing by 10 twice**.