Key Instant Recall Facts

Year 6 – Autumn 1

I can derive multiplication and division facts using decimal numbers (e.g. 8 X 0.7 = 5.6)

By the end of this half term, children should be able to calculate multiplication facts for decimal numbers using their knowledge of times tables.

Use your knowledge of times table facts to calculate answers to questions using decimals, e.g.

"If I know…4 X 7 = 28

Then I know… 0.4 X 7 = 2.8

and…4 X 0.7 = 2.8"

Key vocabulary

times
multiplied by
lots of
factor
product
shared between
divisible by

Children should be able to explain how they reached their answer, e.g.

"If one of the factors is made ten times smaller, then the product will also be ten times smaller. When we make a number ten times smaller, we **move each digit one place value column to the right**."

<u>Practise online:</u>

- Log in to TTRS and practise your times tables.

<u>Mini multiplications –</u> Write out the 4 times table. Next to this, write out the 0.4 times table. Remember - you can divide by 10 to get the answers. Now write out the 0.04 times table. Repeat for other times tables.

1 x 4 = 4	1 x 0.4 = 0.4	1 x 0.04 = 0.04
2 x 4 = 8	2 x 0.4 = 0.8	2 x 0.04 = 0.08
3 x 4 = 12	3 x 0.4 = …	
4 x 4 = …		

<u>Fact families –</u> Make digit cards 0-9. Use to generate 2 factors to multiply. Derive multiplication and division facts using decimal numbers.

Pair of factors: 6 and 7

6 x 7 = 42
6 x 0.7 = 4.2
6 x 0.07 = 0.42

42 ÷ 6 = 7
4.2 ÷ 6 = 0.7
0.42 ÷ 6 = 0.07