Hippings Methodist Primary School

Key Instant Recall Facts
Year 4 – Summer 1

I can multiply and divide single-digit numbers by 10 and 100

By the end of this half term, the children should know the following facts. The aim is for them to recall these facts **instantly**.

For example

7 x 10 = 70	30 x 10 = 300	0.8 x 10 = 8
10 x 7 = 70	10 x 30 = 300	10 x 0.8 = 8
70 ÷ 7 = 10	300 ÷ 30 = 10	8 ÷ 0.8 = 10
70 ÷ 10 = 7	300 ÷ 10 = 30	8 ÷ 10 = 0.8

6 x 100 = 600	40 x 100 = 4000	0.2 x 10 = 2
100 x 6 = 600	100 x 40 = 4000	10 x 0.2 = 2
600 ÷ 6 = 100	4000 ÷ 40 = 100	2 ÷ 0.2 = 10
600 ÷ 100 = 6	4000 ÷ 100 = 40	2 ÷ 10 = 0.2

Key Vocabulary

What is 5 **multiplied by** 10?
What is 10 **times** 0.9?
What is 700 **divided by** 70?

Thousands, hundreds, tens, ones, tenths, hundredths

They should be able to answer these questions in any order and work out missing number problems, e.g 10 x ☐ = 5   ☐ ÷ 10 = 60

Top Tips!
The secret to success is practising **little** and **often**. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You do not need to practise them all at once; perhaps you could have a fact of the day? If you would like more ideas, please speak to your child's teacher.

It is tempting to tell children that to multiply by 10 or 100 it is just a case of adding zeroes to the end of a number. This way of thinking, however, can cause problems when they are trying to multiply and divide decimal numbers as the rule does not work for these numbers. The best way to understand the process for multiplying by ten or one hundred is to show each digit moving in the place value table (place value shift). This rule also works for decimals.

Buy one get three free – If your child knows one fact (e.g 9 x 10 = 90) can they tell you the other three facts in the same fact family?