

## Fluency Facts Year 4 - Summer 1

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

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

7 x 10 = 70 10 x 7 = 70 70 ÷ 7 = 10 70 ÷ 10 = 7	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	<u>Key Vocabulary</u> What is 5 multiplied by 1 <b>0?</b> What is 10 times 0.8 <b>?</b>
6 x 100 = 600 100 x 6 = 600 600 ÷ 6 = 100 600 ÷ 100 = 6	40 x 100 = 4000 100 x 40 = 4000 4000 ÷ 40 = 100 4000 ÷ 100 = 40	0.2 x 10 = 2 10 x 0.2 = 2 2 ÷ 0.2 = 10 2 ÷ 10 = 0.2	What is 700 divided by 70? Thousands, hundreds, tens, ones, tenths , hundredths

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

e.g. 10 x = 5 or : 10 = 60

## <u>Top Tips</u>

The secret to success is practising little and often. Use time wisely. Can you practise these Fluency Facts 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 ten or one hundred 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.  $12 \times 4 = 48$ ), can they tell you the other three facts in the same fact family?