



Key Instant Recall Facts Year Four – 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**.

$7 \times 10 = 70$	$30 \times 10 = 300$	$0.8 \times 10 = 8$
$10 \times 7 = 70$	$10 \times 30 = 300$	$10 \times 0.8 = 8$
$70 \div 7 = 10$	$300 \div 30 = 10$	$8 \div 0.8 = 10$
$70 \div 10 = 7$	$300 \div 10 = 30$	$8 \div 10 = 0.8$
$6 \times 100 = 600$	$40 \times 100 = 4000$	$0.2 \times 10 = 2$
$100 \times 6 = 600$	$100 \times 40 = 4000$	$10 \times 0.2 = 2$
$600 \div 6 = 100$	$4000 \div 40 = 100$	$2 \div 0.2 = 10$
$600 \div 100 = 6$	$4000 \div 100 = 40$	$2 \div 10 = 0.2$

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. $10 \times \square = 5$ or $\square \div 10 = 60$

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 don't 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 or 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. A good interactive place value chart that can be used at home is available from Maths Bot - <https://mathsbot.com/tools/placeValue>

Key Vocabulary

What is 5 **multiplied**
by 10?

What is 10 **times by**
0.8?

What is 700 **divided**
by 70?

thousands,
hundreds, tens,
ones, tenths,
hundredths