Key Instant Recall Facts

Year 4 – Summer 2

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**.

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

Key Vocabulary:

What is 5 **multiplied by** 10?
What is 10 **times** 0.9?
What is 700 **divided by** 70?
**hundreds, tens, units
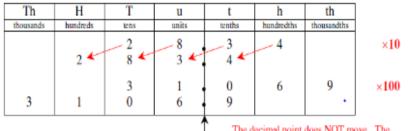tenths, hundredths**

These are just examples of the facts for this term. Children should be able to answer these questions in any order, including missing number questions
e.g. 10 × ◯ = 5 or ◯ ÷ 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.

What happens to the digits when we multiply and divide by 10 and 100? Discuss and use a place value grid to explore.

Multiplication

Th	H	T	u	t	h	th	
thousands	hundreds	tens	units	tenths	hundredths	thousandths	
		2	8	3	4		×10
	2	8	3	4			
		3	1	0	6	9	×100
3	1	0	6	9			

The decimal point does NOT move. The numbers move to the left in multiplication.