Key Instant Recall Facts
Year 4 – Spring 2

Key Vocabulary
Multiply
Divide
Ones
Tenths
Hundredths

I aspire to multiply and divide a single digits 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**.

For example:

$2 \times 10 = 20$	$5 \times 10 = 50$	$7 \times 10 = 70$	$9 \times 10 = 90$
$2 \times 100 = 200$	$5 \times 100 = 500$	$7 \times 100 = 700$	$9 \times 100 = 900$
$2 \div 10 = 0.2$	$5 \div 10 = 0.5$	$7 \div 10 = 0.7$	$9 \div 10 = 0.9$
$2 \div 100 = 0.02$	$5 \div 100 = 0.05$	$7 \div 100 = 0.07$	$9 \div 100 = 0.09$

Key Questions
What is 8 **divided by 10?**
What is 7 **multiplied by one hundred?**
What is 6 **multiplied by ten?**
What is 3 **divided by 100?**

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?

Your Home Learning this half term…

Challenge 1: Investigating multiplying	Start by multiplying single digits by 10 and 100. Pick a single digit number (1-9) and multiply by ten (move one column to the left and add a place holder) or by one hundred (move two columns to the left and add two place holders). Player one says a single digit. Player two multiplies it by ten and 100.
Challenge 2: Investigating Division	Divide single digits by 10 and 100. Pick a single digit number (1-9) and divide by ten (move one column to the right) or by one hundred (move two columns to the right) Player one says a single digit. Player two divides it by ten and 100.
Challenge 3: Developing fluency	**Top Marks** Choose a whole number in the ones column. Look at what happens when we multiply or divide by 10 or 100.
Challenge 4: Investigating columns	Make your own place value grid using sticks from the garden. Can you place on a number of objects in the one (1-9) and then move them to multiply and divide by 10 or 100.
Challenge 5: Investigating multiplication and division	Make a set of cards 1,2,3,4,5,6,7,8,9 10,20,30,40,50,60,70,80,90 100, 200, 300, 400, 500, 600, 700, 800, 900 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9 0.01, 0.02, 0.03, 0.04, 0,05, 0.06, 0.07, 0.08, 0.09 Place cards face down. Now select a single digit and see who can find the correct answer first. E.g. 3 x 10 (who can find 30)
Challenge 6: Apply Your Knowledge	**Use your cards from challenge 5.** , Start with an answer e.g. 0.3. Can you now make the question? (3 divided by 10 = 0.3) Who can get the most questions?