



Key Instant Recall Facts (KIRFs)

Year 6 Summer term 1

I can multiply and divide numbers, including decimal, by 10, 100 or 1000

Multiplying by 10

T	Th	H	T	O	t	h	th
		2	4	7	3	4	9
	2	4	7	3	4	9	

Multiplying by 100

T	Th	H	T	O	t	h	th
			2	4	1	0	4
	2	4	1	0	4		

Multiplying by 1000

T	Th	H	T	O	t	h	th
			3	6	2	5	
3	6	2	5	0	0		

Dividing by 10

T	Th	H	T	O	t	h	th
4	1	2	4	7	3		
	4	1	2	4	7	3	

Dividing by 100

T	Th	H	T	O	t	h	th
7	4	8	2	4	1		
		7	4	8	2	4	1

Dividing by 1000

T	Th	H	T	O	t	h	th
7	1	2	0	6			
			7	1	2	0	6

When multiplying and dividing by 10 and 100, it's important that the children understand that the digits move and why, rather than memorising the trick of 'adding or removing zeros' as this trick doesn't work for decimal numbers.

Game Ideas

[Multiply by 10 100 and 1000 - Teaching resources](#)

Spot the mistakes:

$$56 \times 100 = 50600$$

$$89 \div 10 = 8$$

$$3040 \div 100 = 3.4$$