KIRF: I can multiply and divide a single digit by 10 & 100

Year Four – Summer 1

This half term, the children will be learning how to multiply and divide a single digit by 10 and 100. The aim is for them to be able to recall these facts instantly.

Questions to ask at home

What is 5 **multiplied by** 10?

What is 10 **times** 0.8?

What is 800 **divided by** 100?

Key vocabulary

7 **multiplied** by 100 is **equal to** 700

120 **shared by** 10 is **equal to** 1.2

132 **divided by** 12 **equals** 11

0.6 is **zero ones and six tenths**

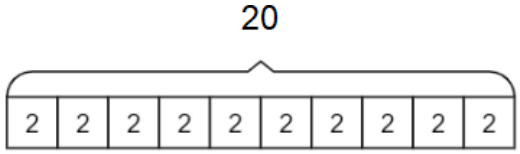
One tenth and four hundredths is 0.16

What can this look like?

Concrete:

10 x 3 = 30

Pictorial:



2 × 10 = 20

Abstract:

8 x ◯ = 800

◯ ÷ 10 = 0.5

Things to try

1000	100	10	1	.	$\frac{1}{10}$	$\frac{1}{100}$
				.		
				.		
				.		
				.		
				.		

Why not use/draw out a place value chart like this one to help.

Remember when multiplying, the digits move to the left.

When dividing, the digits move to the right.

W

https://www.topmarks.co.uk/Flash.aspx?f=bingotimesordivide

Try this website for an interactive Bingo game.

Some examples of questions

7 × 10 = 70	30 × 10 = 300	0.8 × 10 = 8
10 × 7 = 70	10 × 30 = 300	10 × 0.8 = 8
70 ÷ 7 = 10	300 ÷ 30 = 10	8 ÷ 0.8 = 10
70 ÷ 10 = 7	300 ÷ 10 = 30	8 ÷ 10 = 0.8
6 × 100 = 600	40 × 100 = 4000	0.2 × 10 = 2
100 × 6 = 600	100 × 40 = 4000	10 × 0.2 = 2
600 ÷ 6 = 100	4000 ÷ 40 = 100	2 ÷ 0.2 = 10
600 ÷ 100 = 6	4000 ÷ 100 = 40	2 ÷ 10 = 0.2