



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

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?**

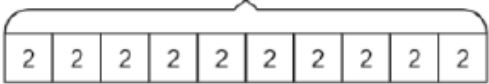
Concrete:



**10 x 3 = 30**

Pictorial:

20



**2 x 10 = 20**

Abstract:

8 x ○ = 800  
 ○ ÷ 10 = 0.5

**Things to try**

1000	100	10	1	.	1/10	1/100

V. ....

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

Try this website for an interactive Bingo game.

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.

**Some examples of questions**

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