## **KEY INSTANT RECALL FACTS**

### YEAR 4 – SUMMER 1

# I KNOW HOW TO X AND ÷ 2 DIGIT NUMBERS BY 10 AND 100

By the end of this half term, children should be able to instantly multiply and divide 2 digit numbers by 10 and 100.

Please note, where we have provided links to online activities we expect children to seek parent/carer permission to do this first.



#### Dividing by 10 or 100

Dividing by 10 or 100 is the same as multiplying by 10 or 100, except you move 1 or 2 place value columns to the right.

To calculate  $2400 \div 10 =$  you need to move the counters 1 place value position to the right:

thousands	hundreds	tens	ones	tenths	hundredths
0	0000		•		

Can you predict what the answer will be?

What if you calculate 2400 ÷ 100 = ?

thousands	hundreds	tens	ones	tenths	hundredths
0	000000000000000000000000000000000000000			•	

Can you predict what the answer will be now?

#### Multiplying and dividing by 10 with decimal numbers

There is nothing new to learn for this except to know that you may now need to use the tenths and hundredths columns on the place value chart:

thousands	hundreds	tens	ones	tenths	hundredths
		00	0000		

So,  $24 \div 10 = 2.4$  because you move the counter 1 place value position to the right:

thousands	hundreds	tens	ones	tenths	hundredths
			00	0000	

You now have 2 ones and 4 tenths (remember there is a decimal point in the middle) or 2.4

What would happen if you divide 24 by 100?

thousands	hundreds	tens	ones	tenths	hundredths
		00	0000		

Did you work out that the answer was 0.24 because you had **0** ones, **2** tenths and **4** hundredths (and you remembered the decimal point).

Multiplying decimal numbers by 10 or 100 uses the same method. You simply move place value columns to the left instead.

Try these:  $0.7 \times 10 = 0.4 \times 10 = 0.5 \times 100 = 0.25 \times 100 = 0.36 \times 10 = 0.9 \times 100 =$ 

If you're feeling confident, try some of the games below to test your skills.

