



By the end of this term, children should know the following facts.
The aim is for them to be able to recall these facts instantly.

Multiply and divide any number by 10 (including decimals).

×10	×100	×1000	×10
1 × 10 = 10	1 × 100 = 100	1 × 1000 = 1000	Move all of the digits one place to the left. Put a zero in the empty space (as a placeholder).
2 × 10 = 20	2 × 100 = 200	2 × 1000 = 2000	×100 Move all of the digits two places to the left. Put two zeros in the empty spaces (as placeholders).
3 × 10 = 30	3 × 100 = 300	3 × 1000 = 3000	
4 × 10 = 40	4 × 100 = 400	4 × 1000 = 4000	×1000 Move all of the digits three places to the left. Place three zeros in the empty spaces (as placeholders).
5 × 10 = 50	5 × 100 = 500	5 × 1000 = 5000	
6 × 10 = 60	6 × 100 = 600	6 × 1000 = 6000	
7 × 10 = 70	7 × 100 = 700	7 × 1000 = 7000	
8 × 10 = 80	8 × 100 = 800	8 × 1000 = 8000	
9 × 10 = 90	9 × 100 = 900	9 × 1000 = 9000	
10 × 10 = 100	10 × 100 = 1000	10 × 1000 = 10 000	
11 × 10 = 110	11 × 100 = 1100	11 × 1000 = 11 000	
12 × 10 = 120	12 × 100 = 1200	12 × 1000 = 12 000	

÷10	÷100	÷1000	÷10
10 ÷ 10 = 1	100 ÷ 100 = 1	1000 ÷ 1000 = 1	Move all of the digits one place to the right.
20 ÷ 10 = 2	200 ÷ 100 = 2	2000 ÷ 1000 = 2	÷100 Move all of the digits two places to the right.
30 ÷ 10 = 3	300 ÷ 100 = 3	3000 ÷ 1000 = 3	
40 ÷ 10 = 4	400 ÷ 100 = 4	4000 ÷ 1000 = 4	÷1000 Move all of the digits three places to the right.
50 ÷ 10 = 5	500 ÷ 100 = 5	5000 ÷ 1000 = 5	
60 ÷ 10 = 6	600 ÷ 100 = 6	6000 ÷ 1000 = 6	
70 ÷ 10 = 7	700 ÷ 100 = 7	7000 ÷ 1000 = 7	
80 ÷ 10 = 8	800 ÷ 100 = 8	8000 ÷ 1000 = 8	
90 ÷ 10 = 9	900 ÷ 100 = 9	9000 ÷ 1000 = 9	
100 ÷ 10 = 10	1000 ÷ 100 = 10	10 000 ÷ 1000 = 10	
110 ÷ 10 = 11	1100 ÷ 100 = 11	11 000 ÷ 1000 = 11	
120 ÷ 10 = 12	1200 ÷ 100 = 12	12 000 ÷ 1000 = 12	

Fill in the missing numbers:

$67 \times \underline{\quad} = 670$

$68 \div \underline{\quad} = 6.8$

$640 \div \underline{\quad} = 6.4$

$73 \times \underline{\quad} = 7300$

Fill in the space with either x or ÷ so that the calculation is correct:

$542 \underline{\quad} 10 = 54.2$

$46 \underline{\quad} 10 = 460$

$473 \underline{\quad} 100 = 4.73$

$37 \underline{\quad} 10 = 370$

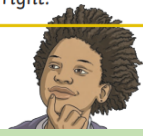
True (T) or False (F):

$67 \times 100 = 670$

$809 \div 10 = 80.9$

$568 \div 100 = 0.568$

$64 \times 10 = 640$



Key Vocabulary

Multiply

Divide

Place value

Decimal point

Place holder

Hundreds	Tens	Units/Ones	Tenths	Hundredths	Thousandths	Tens of Thousandths
	6	1	0			
	6	1	0			
	0	6	1			
	0	0	6	1		

Have you spotted a pattern?