



Year 5, Term 3

Target: multiply and divide whole and decimal numbers by 10, 100 and 1,000.

By the end of this half term, children should know and be able to recall the following facts instantly:

Key vocabulary

whole number, decimal number,
place value, multiply, divide,
digit

Key questions

What number is 10 times bigger than 0.1?

What number is 100 times smaller than 12?

What is $152 \div 1000$? $45 = ? \times 10$

Examples

| | | | | | | | | |
|--------|------|-----|----|---|---|----------------|-----------------|------------------|
| 10 000 | 1000 | 100 | 10 | 1 | ● | $\frac{1}{10}$ | $\frac{1}{100}$ | $\frac{1}{1000}$ |
| | | | | | ● | | | |

Multiplying

X 10 digits move LEFT 1 space
X 100 digits move LEFT 2 spaces
X 1000 digits move LEFT 3 spaces



Dividing

$\div 10$ digits move RIGHT 1 space
 $\div 100$ digits move RIGHT 2 spaces
 $\div 1000$ digits move RIGHT 3 spaces



Useful websites

<https://www.bbc.co.uk/bitesize/topics/zc3d7ty/articles/zmk72v4>

<https://www.youtube.com/watch?v=Y45H5aCuymg>

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

<https://kids.classroomsecrets.co.uk/resource/year-5-divide-by-10-100-and-1000-game/>

<https://wordwall.net/en-gb/community/multiplication/by-10-100-1000>