

## Spring 1

**Learning Focus:** Multiply and divide whole and decimal numbers by 10, 100 and 1000.

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

### Representations

### Key Vocabulary

Examples:

10 000	1000	100	10	1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$

**Multiplying**

X 10  
X 100  
X 1000

digits move LEFT 1 space  
digits move LEFT 2 spaces  
digits move LEFT 3 spaces

←

**Dividing**

+ 10  
+ 100  
+ 1000

digits move RIGHT 1 space  
digits move RIGHT 2 spaces  
digits move RIGHT 3 spaces

→

- Whole number
- Decimal number
- Place value
- Multiply
- Divide
- Digit

### Getting Started

The secret to success is practising little and often. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

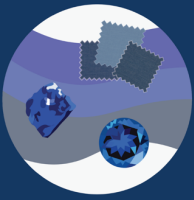
### Suggested Activities

- Use/draw out a place value chart (right) to help. Remember when multiplying, the digits move to the left. When dividing, the digits move to the right
- **Create a board game** - related to multiplying/dividing by 10, 100 and 1000.
- **Flashcards** - ask a family member to test you. How quickly can you multiply/divide by 10, 100 or 1000?
- Make up a song about how to multiply/divide by 10, 100 and 1000.
- Create a poster for multiplying/dividing by 10, 100 and 1000.

10,000	1,000	100	10	1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$

### Useful Websites

- [BBC: Multiplying by 10, 100 and 1,000](https://www.bbc.com/1/learning/primary/1000)
- [Wordwall: Multiplication Games](https://www.wordwall.net/en/games/multiplication)
- [Game: Divide by 10, 100 and 1,000](https://www.topmarks.co.uk/Basic/Division-with-1000.aspx)
- [TopMarks: Bingo](https://www.topmarks.co.uk/Basic/Bingo.aspx)



Whitehill  
Primary School & Nursery