



**KEY FOCUS: NUMBERS TO AT LEAST 1,000,000**

**Autumn 1**

Read and write any integer and use decimal notation for tenth and hundredths and know what each digit represents

Count forwards and backwards in steps of 0.01, 0.1, 1, 10, 100, 1000 from any positive integer or decimal

Count forwards and backwards in equal steps and describe any patterns in the sequence

Order and compare whole numbers up to 1 000 000, negative numbers and decimals with up to two decimal places

Know by heart multiplication and division facts for all multiplication tables up to 12 x 12

Complete and interpret information in a variety of sorting diagrams (including those used to sort properties of numbers)

Find pairs of numbers with a sum of 100

Derive related facts from those already known (e.g.  $4 \times 0.8$  linked to  $4 \times 8$  or  $3 + 7 = 10$  linked to  $0.3 + 0.7 = 1$ )

Find doubles and halves of decimals each with units and tenths

Multiply and divide whole numbers and decimals with up to two decimal places mentally by 10 or 100, and integers by 1000 and use this to convert between units of measurement, e.g. cm to m, g to kg etc

Round whole numbers to the nearest 10, 100, 1000 or a number with up to two decimal places to the nearest integer or number of decimal places.

**Autumn 2**

Read and write any integer and use decimal notation for tenth and hundredths and know what each digit represents

Count forwards and backwards in steps of 0.01, 0.1, 1, 10, 100, 1000 from any positive integer or decimal

Count forwards and backwards in equal steps and describe any patterns in the sequence

Order and compare whole numbers up to 1 000 000, negative numbers and decimals with up to two decimal places

Know by heart multiplication and division facts for all multiplication tables up to 12 x 12

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Multiply and divide whole numbers and decimals with up to two decimal places mentally by 10 or 100, and integers by 1000 and use this to convert between units of measurement, e.g. cm to m, g to kg etc.

Round whole numbers to the nearest 10, 100, 1000 or a number with up to two decimal places to the nearest integer or number of decimal places.

**Spring 1**

Read and write any integer and use decimal notation for tenths, hundredths and thousandths and know what each digit represents

Count forwards and backwards in steps of 0.01, 0.1, 1, 10, 100, 1000 from any positive integer or decimal

Count forwards and backwards in equal steps and describe any patterns in the sequence

Order and compare whole numbers up to 1 000 000, negative numbers and decimals with up to two decimal places

Know by heart multiplication and division facts for all multiplication tables up to 12 x 12

Complete and interpret information in a variety of sorting diagrams (including those used to sort properties of numbers)

Recall and use addition and subtraction facts for 1 and 10 (with decimal numbers to one decimal place)

Derive and use addition and subtraction facts for 1 (with decimal numbers to two decimal places)

Derive related facts from those already known (e.g.  $4 \times 0.8$  linked to  $4 \times 8$  or  $3 + 7 = 10$  linked to  $0.3 + 0.7 = 1$ )

Use partitioning to double or halve any number, including decimals to two decimal places

Multiply and divide whole numbers and decimals with up to two decimal places mentally by 10 or 100, and integers by 1000 and use this to convert between units of measurement, e.g. cm to m, g to kg etc.

Round whole numbers to the nearest 10, 100, 1000 or a number with up to two decimal places to the nearest integer or number of decimal places.

Count in fraction steps and convert equivalent fractions (e.g. count in steps of converting to , , , , , ...).

## **Spring 2**

Read and write any integer and use decimal notation for tenths, hundredths and thousandths and know what each digit represents.

Count forwards and backwards in steps of 0.01, 0.1, 1, 10, 100, 1000 from any positive integer or decimal.

Count forwards and backwards in equal steps and describe any patterns in the sequence

Order and compare whole numbers up to 1 000 000, negative numbers and decimals with up to two decimal places

Know by heart multiplication and division facts for all multiplication tables up to 12 x 12

Complete and interpret information in a variety of sorting diagrams (including those used to sort properties of numbers)

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Round whole numbers to the nearest 10, 100, 1000 or a number with up to two decimal places to the nearest integer or number of decimal places.

Count in fraction steps and convert equivalent fractions (e.g. count in steps of converting to , , , , , ...).

## **Summer 1**

Read and write any integer and use decimal notation for tenths, hundredths and thousandths and know what each digit represents

Count forwards and backwards in steps of 0.01, 0.1, 1, 10, 100, and 1000 from any positive integer or decimal

Count forwards and backwards in equal steps and describe any patterns in the sequence

Order and compare whole numbers up to 1 000 000, negative numbers and decimals with up to two decimal places

Know by heart multiplication and division facts for all multiplication tables up to  $12 \times 12$

Complete and interpret information in a variety of sorting diagrams (including those used to sort properties of numbers)

Recall and use addition and subtraction facts for 1 and 10 (with decimal numbers to one decimal place)

Derive and use addition and subtraction facts for 1 (with decimal numbers to two decimal places)

Derive related facts from those already known (e.g.  $4 \times 0.8$  linked to  $4 \times 8$  or  $3 + 7 = 10$  linked to  $0.3 + 0.7 = 1$ )

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Round whole numbers to the nearest 10, 100, 1000 or a number with up to two decimal places to the nearest integer or number of decimal places.

Count in fraction steps and convert equivalent fractions (e.g. count in steps of converting to , , , , , ...).

## **Summer 2**

Read and write any integer and use decimal notation for tenths, hundredths and thousandths and know what each digit represents

Count forwards and backwards in steps of 0.01, 0.1, 1, 10, 100, 1000 from any positive integer or decimal

Count forwards and backwards in equal steps and describe any patterns in the sequence

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