

# Maths

## Spring 1 and 2

### Year 5

#### **Unit 7. Multiplication and division (2)** (11 Lessons)

**Number** - multiplication and division

multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers

multiply and divide numbers mentally drawing upon known facts

divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context

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#### **Unit 8. Fractions (1)** (8 Lessons)

**Number** - fractions (including decimals and percentages)

compare and order fractions whose denominators are all multiples of the same number

identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths

recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements  $> 1$  as a mixed number [for example,  $2/5 + 4/5 = 6/5 = 1 \frac{1}{5}$ ]

read, write, order and compare numbers with up to three decimal places

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#### **Unit 9. Fractions (2)** (12 Lessons)

**Number** - fractions (including decimals and percentages)

recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements  $> 1$  as a mixed number [for example,  $2/5 + 4/5 = 6/5 = 1 \frac{1}{5}$ ]

add and subtract fractions with the same denominator and denominators that are multiples of the same number

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#### **Unit 10. Fractions (3)** (7 Lessons)

# Maths

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**Number** - fractions (including decimals and percentages)

multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams

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#### **Unit 11. Decimals and percentages** (12 Lessons)

**Number** - fractions (including decimals and percentages)

identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths

read and write decimal numbers as fractions [for example,  $0.71 = 71/100$ ]

recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents

round decimals with two decimal places to the nearest whole number and to one decimal place

read, write, order and compare numbers with up to three decimal places

recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal

solve problems which require knowing percentage and decimal equivalents of  $1/2$ ,  $1/4$ ,  $1/5$ ,  $2/5$ ,  $4/5$  and those fractions with a denominator of a multiple of 10 or 25