



SUBJECT: MATHS

YEAR: FOUR

PART: THREE

STEP: TWENTY-FIVE

LESSON	TOPIC	OBJECTIVES
1	Place value of thousands	To re-cap the place value of individual digits in four digit numbers.
2	Place value of thousands	As above.
3	Place value of thousands	As above.
4	Negative numbers	To learn that numbers on a number line do not stop at zero but continue away from zero to the left as negative numbers. To recognise the symbol '-' in front of numbers when they are negative.
5	Negative numbers	As above.
6	Negative numbers	As above.



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PART: THREE

STEP: TWENTY-SIX

LESSON	TOPIC	OBJECTIVES
1	Decimals	To understand that any digit to the right of a decimal point is only part of a whole number and to understand tenths and hundredths of a number.
2	Decimals	As above.
3	Place value of decimal numbers	To be confident using a number line for labelling and ordering decimal numbers.
4	Place value of decimal numbers	As above.
5	Decimals	To gain confidence in working mathematically with decimal numbers.
6	Decimals	As above.



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TWENTY-SEVEN

LESSON	TOPIC	OBJECTIVES
1	Rounding decimals	To be able to round decimals up or down to the nearest whole number and to understand mathematical terms such as '1-place decimals'.
2	Rounding decimals	As above.
3	Rounding decimals	As above.
4	Multiplication & division	To create patterns for multiplying by two digit numbers and to devise strategies for working out multiplications using larger numbers.
5	Multiplication & division	As above.
6	Multiplication & division	As above.



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PART: THREE

STEP: TWENTY-EIGHT

LESSON	TOPIC	OBJECTIVES
1	Multiplication & division	To practise and become familiar with multiplication and division strategies and to establish which method is the most comfortable to work with.
2	Multiplication & division	As above.
3	Multiplication & division	As above.
4	Multiplication & division	As above.
5	Area & perimeter	To be able to identify the difference between area and perimeter and to devise strategies for working them out.
6	Area & perimeter	As above.



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STEP: TWENTY-NINE

LESSON	TOPIC	OBJECTIVES
1	Area & perimeter	To understand the difference between area and perimeter and to be able to calculate the area and perimeter of irregular shapes.
2	Properties of 2D & 3D shapes	To know the difference between 2D & 3D shapes and to be able to describe the properties of different shapes, demonstrating an improved mathematical vocabulary.
3	Properties of 2D & 3D shapes	As above.
4	Decimals	To be confident converting between metres (m) and centimetres (cm) and to be able to use a scale with accuracy.
5	Decimals	As above.
6	Decimals	As above.



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PART: THREE

STEP: THIRTY

LESSON	TOPIC	OBJECTIVES
1	Decimals	To demonstrate an ability to order decimals and to understand a number's size by the position of digits after the decimal point.
2	Decimals	As above.
3	Decimals	As above.
4	Decimals	As above.
5	Decimals	As above.
6	Addition patterns	To be able to see a pattern in a continuing calculation and to be able to answer an addition using this pattern without having to work out the addition each time.



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STEP: THIRTY-ONE

LESSON	TOPIC	OBJECTIVES
1	Addition & subtraction	To apply learnt strategies for mental calculations involving addition and subtraction and to establish a favoured method.
2	Addition & subtraction	As above.
3	Addition & subtraction	As above.
4	Multiplication & division	To understand the connection between multiplication and division and to carry out multiplications involving larger numbers.
5	Scaling	To be able to work accurately with a shape of increased or decreased size.
6	Scaling	As above.



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STEP: THIRTY-TWO

LESSON	TOPIC	OBJECTIVES
1	Scaling	To be able to work accurately with a shape of increased or decreased size.
2	Factorial fun	To be able to follow instructions and record observations accurately.
3	Factorial fun	As above.
4	Factorial fun	As above.
5	Addition	To add multiple, larger numbers, keeping place value correct, understanding that the addition process is the same regardless of the size of the numbers. To understand that the calculations are taken step-by-step, and you are only working with two digits at any time. To use 'carrying' where necessary.
6	Addition	As above.



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STEP: THIRTY-THREE

LESSON	TOPIC	OBJECTIVES
1	Addition with decimals	To remember to keep place value and decimal points aligned when carrying out addition calculations.
2	Addition with decimals	As above.
3	Subtraction	To recall the process of regrouping where necessary when carrying out subtraction calculations.
4	Subtraction	As above.
5	Subtraction	To recall the process of regrouping where necessary when carrying out subtraction calculations. To work with larger numbers using the column method for subtraction, and to compare the Frog method to understand the connection between methods for subtraction.
6	Subtraction	As above.



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PART: THREE

STEP: THIRTY-FOUR

LESSON	TOPIC	OBJECTIVES
1	Subtraction with decimals	To subtract using the column method and to realise that decimal points do not affect how the calculation is carried out.
2	Subtraction with decimals	As above.
3	Coordinates	To identify specific points on a grid, to be able to follow instructions to draw specific points on a grid and to understand that coordinates are always expressed as (x,y).
4	Coordinates	As above.
5	Coordinates	As above.
6	Data handling	To draw different types of graphs and pictograms to create visual representations of information.



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STEP: THIRTY-FIVE

LESSON	TOPIC	OBJECTIVES
1	Data handling	To be able to read and understand graphs and pictograms and to be able to transfer data from numerical to visual graph form.
2	Data handling	As above.
3	Data handling	As above.
4	Data handling	As above.
5	Multiplication	To see how maths is important in our everyday lives and to apply learnt strategies to help plan real life situations.
6	Multiplication	As above.



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PART: THREE

STEP: THIRTY-SIX

LESSON	TOPIC	OBJECTIVES
1	Multiplication methods	To look at the different methods for multiplication and to establish which method is most comfortable for your child to use.
2	Adding fractions	To use visual aids for adding fractions with a common denominator.
3	Adding fractions	As above.
4	Multiplication & division	To quickly multiply by 10 and 100 and to see the connection between multiplication and division.
5	Multiplication & division	As above.
6	Multiplication & division	As above.