

KS3 Maths Progress Theta 1 Year 7 Core

UNIT / LESSON	LESSON	LEARNING INTENTIONS
1 Analysing and displaying data	11	
1.1 Mode, median and range	Lesson 1	Find the mode of a set of data, numerical and non-numerical. Find the median of a set of data (odd and even number of values). Find the range of a set of data.
1.2 Displaying data	Lesson 2 and 3	Read and draw pictograms, bar charts and bar-line charts. Read and construct tally charts and frequency tables. Find the mode and range from a chart or table.
1.3 Grouping data	Lesson 4 and 5	Read and construct grouped tally charts and frequency tables. Read and construct grouped bar charts for discrete and continuous data. Find the modal class from a bar chart or frequency table.
1.4 Averages and comparing data	Lesson 6	Calculate the mode, median, mean and range of a set of values. Compare two sets of data using an average and the range.
1.5 Line graphs and more bar charts	Lesson 7	Read and draw a line graph. Read and draw a dual bar chart. Read and draw a compound bar chart.
1.6 Spreadsheets ??	Lesson 8	Enter data into a spreadsheet program. Use a spreadsheet to calculate the mode, median, mean and range. Use a spreadsheet to draw bar charts, dual bar charts, compound bar charts, grouped bar charts and line graphs.
Check/Strengthen/Extend	Lesson 9 and 10	Data handling project.
End of Unit Test	Lesson 11	
2 Number skills	11	
2.1 Mental maths	Lesson 12	Know and use the priority of operations and laws of arithmetic. Recall multiplication facts up to 10×10 Multiply and divide by 10, 100, 1000
2.2 Addition and subtraction	Lesson 13	Round whole numbers to the nearest 10, 100, 1000 Check answers using estimation. Add and subtract whole numbers using written methods.
2.3 Multiplication	Lesson 14	Multiply whole numbers using a written method.
2.4 Division	Lesson 15	Divide whole numbers using a written method. Check answers using inverse operations.
2.5 Finance: Time and money	Lesson 16	Round decimals to the nearest whole number. Interpret a calculator display. Solve problems involving time and money using a calculator.
2.6 Negative numbers	Lesson 17	Order positive and negative numbers. Add and subtract positive and negative numbers. Begin to multiply with negative numbers.
2.7 Factors, multiples and primes	Lesson 18	Identifying and understanding factors, multiples and prime numbers.
2.8 Square and triangle numbers	Lesson 19	Recognise and use square numbers, square roots and triangle numbers.
Check/Strengthen/Extend	Lesson 20 and 21	Recall, retrieval and problem solving.
Revision	Lesson 22	