

Maths- Award in Number and Measure (KS4)

Teachers: Danielle Thompson, Gavin White, Lee Thompson and Antonia O’Mullane

Award in Number and Measure These Level 1 and Level 2 Awards qualifications consist of a single assessment at each level. Students are entered at either Level 1 or Level 2. Each assessment consists of two sections. Each award is pass or fail.

Syllabus materials KS4:

[Edexcel Awards in Number and Measure | Pearson qualifications](#)

Careers in Maths:

1438_My Learning My Future_Mathematics_FINAL.pdf (careersandenterprise.co.uk)

Schemes of work:

*Although there is a clear structure to the maths curriculum, additional time may be needed to review content from previous years.

Year 10	Number size and rounding 1.1 Read, write, order and compare positive integers up to 1000 1.3 Multiply and divide positive integers by 10, 100 and 1000 1.5 Know multiplication and division facts up to 10×10 1.6 Round positive integers to the nearest 10, 100 and 1000 6.1 Read, write, order and compare money Integers and the 4-rules 1.2 Add and subtract positive integers 1.4 Multiply and divide by positive integers (single digit multiplier and divisor for non-calculator section)	Decimals 2.1 Read, write, order and compare decimals up to two decimal places, and understand place value 2.2 Add and subtract decimals up to two decimal places 2.3 Multiply decimals with up to two decimal places (single digit whole number multiplier for non-calculator section) 2.4 Divide decimals with up to two decimal places, using a calculator 2.5 Round decimals to one decimal place and the nearest integer Reading scales 8.1 Know and use units of measure for length, weight, angles, capacity, temperature, including metric and imperial units eg imperial	Tables and charts 11.1 Read, construct and use everyday tables and charts, eg mileage charts, bar charts, line graphs, currency conversion tables and timetables (bus, train and airlines) Types of number 1.7 Understand and use multiples, factors, common factors and understand prime numbers Fractions 4.1 Read, write, order and compare fractions and mixed numbers 4.2 Use equivalent fractions 4.3 Write fractions in their simplest form 4.5 Add and subtract simple fractions (with the same denominator, excluding mixed fractions)	Money Read, write, order and compare money Add, subtract, multiply and divide quantities of money, household finance, utility bills, shopping bills, interest (for 1 year) Types of number Percentages and applications 5.3 Work out simple percentages of quantities, including VAT 6.2 Add, subtract, multiply and divide quantities of money, household finance, utility bills, shopping bills, interest (for 1 year) Time and timetables 7.1 Read, measure and record time using digital and analogue clocks in 12-hour and 24-hour format	Perimeter and area 9.1 Work out the perimeter of rectangles and shapes made from rectangles 9.2 Work out the area of rectangles and shapes made from rectangles Volume 10.1 Work out the volume of a cuboid Revision for level 1 qualification	Start looking at the level 2 qualification
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	1.8 Understand negative numbers and use a number line to order, add and subtract negative numbers 2.5 Round decimals to one decimal place and the nearest integer, and round money in calculations to the nearest penny 3.1 Check solutions to questions and problems by considering whether the answer is sensible 6.2 Add, subtract, multiply and divide quantities of money (integers) Approximation Check solutions to questions and problems by considering whether the answer is sensible	units include miles, inches, feet, pounds, gallons and pints 8.4 Read integer scales 8.5 Draw and measure lines and angles, accurate to the nearest cm and degree Converting units 8.1 Know and use units of measure for length, weight, angles, capacity, temperature, including metric and imperial units eg imperial units include miles, inches, feet, pounds, gallons and pints 8.2 Add and subtract units of measure 8.3 Convert units of measure in the metric system	4.6 Multiply a fraction by a positive integer, and find a fraction of a whole number quantity (positive integers only) Fractions, decimals and percentages 4.4 Convert simple fractions to decimals (up to 2 decimal places) and vice versa eg and multiples of these fractions 5.1 Read, write, order and compare simple percentages, eg 10%, 25%, 20%, 50% and 75% 5.2 Use equivalencies between decimals, fractions and percentages eg 25% = 0.25	7.2 Use units of time including seconds, minutes, hours, days, weeks, months and years 7.3 Work out intervals of time and convert between units of time 7.4 Read, measure and record events on calendars 11.1 Read, construct and use everyday tables and charts, eg tables and timetables (bus, train and airlines).		
Year 11	Number size and rounding 1.3 Multiply and divide positive integers by 10, 100, 1000 1.6 Round positive integers to the nearest 10, 100 and 1000 1.9 Read, write, order and compare positive and negative integers of any size 3.2 Check solutions to questions and problems by using suitable approximations Integers and the 4-rules 1.8 Understand negative numbers and use a number line to order, add and subtract negative numbers	Reading scales 9.5 Draw lines and angles, accurate to the nearest cm and degree 9.6 Read decimal scales Converting units 9.1 Know and use units of measure for length, weight, angles, capacity, temperature, including metric and imperial units and degrees eg imperial units include miles, inches, feet, pounds, gallons and pints 9.3 Convert units of measure in its same systems 9.7 Convert between metric and imperial units	Types of number 1.7 Understand and use multiples, factors, common factors and prime numbers 1.12 Find the Highest Common Factor and Lowest Common Multiple of any two positive integers 1.13 Read, write and use squares, cubes and square roots 1.14 Read, write and use index notation for small positive integer powers Fractions 4.2 Use equivalent fractions 4.7 Multiply fractions, including	Percentages and applications 5.4 Find percentages of quantities of any value 5.5 Calculate percentage increase and decrease 5.6 Express one number as a percentage of another 7.5 Calculate simple interest 7.6 Calculate wages and salaries, including national insurance and tax deductions Ratio and proportion 6.1 Use direct proportion in simple problems 6.2 Use ratio notation 6.3 Divide a quantity into 2 or 3 parts in a given ratio	Revision for level 2 paper	

	1.10 Add, subtract, multiply and divide integers of any size 1.11 Multiply and divide using negative integers Decimals 2.4 Divide decimals with up to two decimal places, using a calculator 2.5 Multiply decimals with up to two decimal places (two digit multiplier and divisor for non-calculator section) 2.6 Round decimals to two decimal places 2.7 Add and subtract any decimal 3.2 Check solutions to questions and problems by using suitable approximations 7.3 Add, subtract, multiply and divide quantities of money, household finance, utility bills, shopping bills	eg 5 miles = 8 km 12 inches = 1 foot = 30 cm 2.2 pounds = 1 kg 8 pints = 1 gallon = 4.5 litres Tables and charts 12.1 Read, write and use everyday tables, charts eg mileage charts, bar charts, line graphs, currency conversion tables and timetables (bus, train and airlines). 12.2 Draw and interpret pie charts and frequency tables	mixed numbers 4.8 Divide fractions, including mixed numbers, using a calculator 4.9 Add and subtract fractions with different denominators and mixed numbers 4.10 Use fractions to compare quantities 4.11 Express one number as a fraction of another Fractions, decimals and percentages	7.4 Convert between currencies Perimeter and area 2.6 Round decimals to two decimal places 10.3 Work out the area and perimeter of rectangles, triangles, circles and semi-circles 10.4 Work out areas of composite shapes made from rectangles, triangles, circles and/or semi-circles Volume 11.1 Volumes of prisms and cylinders		
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