

Calculations with compound measures including speed, density & rates of pay. Add, subtract, multiply and divide with decimals to 2 places. 2d representations of 3d objects, using formulae to find surface areas, draw & interpret scatter diagrams & recognise positive and negative correlation. Coordinates in 4 quadrants,

11

YEAR

Calculations with numbers up to 1 million, substituting into formulae with words and symbols. Equivalence between fractions, decimals and percentages. Calculations with percentages. Order, add & subtract quantities, calculate with compound interest. Calculate the area & perimeter of compound shapes, use formulae to find volume.

10

YEAR

Use numbers up to 1 million, recognise & use positive & negative numbers. Square numbers, order of operations, use formulae. Use percentages in various contexts, ratio and proportion. Area & perimeter of simple shapes, volumes of cubes & cuboids. Represent discrete data in tables, charts & graphs. Calculate with angles.

9

YEAR

Number: Use the four operations with numbers up to 1000. Recognise & use linear sequences to 100. Use equivalent fractions, work with decimals to 2 decimal places, Compare and calculate with different measures of length, volume and capacity. Sort 2d and 3d shapes by their properties, symmetry, make comparisons between graphs.

8

YEAR

Number: Accurately use the four operations with 2 digit numbers, simple fractions, decimals to 1 decimal place. Calculations with money, using different metric units, reading simple scales. Recognise simple 2d & 3d shapes, use positional vocabulary. Extract information from lists, tables and charts.

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