

Medium-Term Numeracy Planning Y6 (Level 6) Autumn 2014

Week	Number	Objectives covered
1	Fractions of quantities	Level 5: To use equivalence between fractions. Level 6: To calculate fractions of quantities (fraction answers).
2	Comparing proportions	Level 5: To order fractions and decimals. Level 6: To use the equivalence of fractions, decimals and percentages to compare proportions.
3	Dividing quantities using ration	Level 5: To understand simple ratio. Level 6: to be able to divide a quantity into two or more parts in a given ratio.
4	Problems involving direct proportion	Level 5: To solve simple problems involving ratio and direct proportion. Level 6: To solve problems involving direct proportion.
5	Adding and subtracting fractions	Level 5: To reduce a fraction to its simplest form by cancelling common factors. Level 6: To add and subtract fractions by writing them with a common denominator.
6	Multiplying and dividing integers by fractions	Level 5: To reduce a fraction to its simplest form by cancelling common factors. Level 6: To multiply and divide an integer by a fraction.
7	Calculating percentages	Level 5: To use a calculator where appropriate to calculate fractions/percentages of quantities/measurements. Level 6: To calculate percentages and find the outcome of a given percentage increase and decrease.
8	Proportional reasoning	Level 5: To use a calculator where appropriate to calculate fractions/percentages of

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		quantities/measurements. Level 6: To use proportional reasoning to solve a problem, choosing the correct number to take as 100%, or a whole.
	Algebra	Objectives Covered
9	Systematic trial and improvement	Level 5: To construct, express in symbolic form and use simple formulae involving one or two operations. Level 6: To use systematic trial and improvement methods to find approximate solutions to equations such as $x^2 + x = 20$
10	Constructing and solving linear equations	Level 5: To construct, express in symbolic form and use simple formulae involving one or two operations. Level 6: To construct and solve linear equations with integer coefficients, using an appropriate method.
11	Generating terms of a sequence	Level 5: To construct, express in symbolic form and use simple formulae involving one or two operations. Level 6: To generate terms of a sequence using term-to-term and position-to-term definitions.
12	The n th term	Level 5: To construct, express in symbolic form and use simple formulae involving one or two operations. Level 6: To write an expression for the n th term of an arithmetic sequence
13	Linear function graphs	Level 5: To construct, express in symbolic form and use simple formulae involving one or two operations. Level 6: To construct and solve linear equations with integer coefficients, using an appropriate method.
14	Equations for straight-line graphs	Level 5: To use and interpret coordinates in all four quadrants. Level 6: To construct functions from real-life problems and plot their graphs.