

Mathematics Department Gold Award



29	Prime factorisation 1	173	Indices with algebraic expressions 1
30	Prime factorisation 2	174	Indices with algebraic expressions 2
32	Highest common factor (prime factorisation)	176	Forming equations
35	Lowest common multiple (prime factorisation)	179	Solve 2-step equations (involving multiplication)
36	LCM (worded problems)	180	Solve 2-step equations (involving division)
63	Improper fractions to mixed numbers	181	Solve 2-step equations (x on denominator)
64	Mixed numbers to improper fractions	182	Solve 2-step equations (x negative)
66	Add or subtract fractions (different denominator)	183	Solve 3-step equations
67	Multiply whole number by fractions	189	Substituting & solving
68	Multiplying fractions 1	198	Linear sequences (nth term)
69	Multiplying fractions 2	201	Gradient of a line segment 1
70	Dividing fractions	202	Gradient of a line segment 2 (negative)
71	Reciprocal of fractions	780	Substitution (1)
72	Linking multiplying/dividing fractions & integers	781	Substitution (2)
79	Reverse fraction problems	481	Alternate angles
80	Fractions (worded problems)	482	Co-interior angles
86	Find percentages of amounts 3 (non-calc)	483	Corresponding angles
87	Find percentages of amounts 4 (using calculator)	559	Trapezium
88	Percentage increase or decrease (non-calc)	562	Cuboids (1)
89	Percentage/decimal multipliers	569	Cuboids (2)
90	Percentage increase or decrease	584	Surface area of cuboids
120	Order of operations 3 (indices & roots)	585	Surface area of prisms
121	Powers of 10	592	Parts of the circle
132	Appropriate degrees of accuracy	680	Congruence (1)
133	Round numbers in standard form	681	Congruence (2)
134	Truncation	698	Converting capacity/volume (1)
136	Related calculations 2	699	Converting capacity/volume (2)
754	Money (problem solving 3)	700	Converting area units (1)
761 762	Profit and loss (problem solving 1)	701	
	Profit and loss (problem solving 2) Best buys (4)	702	Converting volume units (1) Converting volume units (2)
766 767	Best buys (4) Best buys (5)	703 704	Converting volume units (2) Converting capacity/volume (3)
332	Share in a given ratio 1	704	Metric and imperial conversions (1)
333	Share in a given ratio 2	706	Metric and imperial conversions (2)
334	Share in a given ratio 3	707	Converting currency (1)
340	Direct proportion 2	708	Converting currency (2)
341	Direct proportion 3	709	Converting time (1)
342	Inverse proportion	710	Converting time (2)
741	Recipe problems (3)	711	Converting time (worded problems)
742	Recipe problems (4)	712	Conversion graphs (1)
867	Scale diagrams (4)	713	Conversion graphs (2)
868	Scale diagrams (5)	354	Mutually exclusive events
869	Scale diagrams with bearings	355	Expectation
155	Writing formulae & simple substitution	358	Probability of more than one event (1)
160	Expand a single bracket	359	Probability of more than one event (2)
161	Expand two single brackets & simplify	360	Independent events
167	HCF of algebraic expressions	670	Systematic Listing
168	Factorise simple expressions 1	422	Two-way tables (1)
169	Factorise simple expressions 2	423	Two-way tables (2)
170	Simplifying expressions by factorising 1	424	Two-way tables (3)