

Grade 3, 4 and 5 topics – Mathswatch info

66	3	Multiplying Decimals
67	3	Dividing Decimals
68a	3	Negatives - Adding and Subtracting
68b	3	Negatives - Multiplying and Dividing
69	3	Listing Strategies
70	3	Comparing Fractions
71	3	Adding and Subtracting Fractions
72	3	Finding a Fraction of an Amount
73	3	Multiplying Fractions
74	3	Dividing Fractions
75	3	BODMAS/BIDMAS

76	3	Reciprocals
77	3	Calculator Questions
78	3	Product of Primes
79	3	Highest Common Factor (HCF)
80	3	Lowest Common Multiple (LCM)
81	3	Squares, Cubes and Roots
82	3	Working with Indices
83	3	Standard Form
84	3	Decimals and Fractions
85	3	Fractions, Percentages, Decimals
86	3	Percentage of an Amount (Calc.)

87	3	Percentage of an Amount (Non-Calc.)
88	3	Change to a Percentage (Calc.)
89	3	Change to a Percentage (Non-Calc.)
90	3	Rounding to Significant Figures
91	3	Estimating Answers
92	3	Using Place Value
93	3	Expanding Brackets
94	3	Simple Factorisation
95	3	Substitution
96	3	Straight Line Graphs

97	3	The Gradient of a Line
98	3	Drawing Quadratic Graphs
99	3	Sketching Functions
100	3	Solving Equations using Flowcharts
101	3	Subject of a Formula using Flowcharts
102	3	Generating a Sequence from the nth Term
103	3	Finding the nth Term
104	3	Special Sequences
105	3	Exchanging Money
106	3	Sharing using Ratio
107	3	Ratios, Fractions and Graphs

108	3	Increase/Decrease by a Percentage
109	3	Percentage Change
110	3	Reverse Percentage Problems
111	3	Simple Interest
112	3	Metric conversions
113	3	Problems on Coordinate Axes
114a	3	Surface Area of Cuboids
114b	3	Surface Area of Triangular Prisms
115	3	Volume of a Cuboid
116	3	Circle Definitions
117	3	Area of a Circle

118	3	Circumference of a Circle
119	3	Volume of a Prism
120	3	Angles and Parallel Lines
121	3	Angles in a Triangle
122	3	Properties of Special Triangles
123	3	Angle Sum of Polygons
124	3	Bearings
125	3	Experimental Probabilities
126	3	Possibility Spaces
127a	3	Venn Diagrams - Introduction

127b	3	Venn Diagrams - Notation
128a	3	Pie Charts
128b	3	Stem and Leaf Diagrams
129	3	Scatter Diagrams
130a	3	Averages from a table - Basics
130b	3	Estimate for the Mean

131	4	Index Notation
132	4	Introduction to Bounds
133	4	Midpoint of a Line on a Graph
134a	4	Expanding and Simplifying - Single Set
134b	4	Expanding and Simplifying - Double Set
135a	4	Solving Equations - Balancing
135b	4	Solving Equations - Float & Ping
136	4	Rearranging Simple Formulae
137	4	Forming Formulae and Equations
138	4	Inequalities on a Number Line
139	4	Solve Linear Inequalities

150a	4	Pythagoras' Theorem - A Simple Approach
150b	4	Pythagoras' Theorem - An Algebraic Approach
150c	4	Pythagoras' Theorem - Line on a Graph
151	4	Simple Tree Diagrams
152	4	Sampling Populations
153	4	Time Series

164	5	Compound Interest and Depreciation
165	5	Loci
166	5	Congruent triangles
167	5	Sectors of a Circle
168	5	Trigonometry
169	5	Spheres
170	5	Pyramids
171	5	Cones
172	5	Frustums
173	5	Exact Trigonometric Values
174	5	Introduction to Vectors

175	5	Harder Tree Diagrams
176	5	Stratified Sampling

140	4	Simultaneous Equations Graphically
141	4	Fibonacci Sequences
142	4	Compound Units
143	4	Distance-Time Graphs
144	4	Similar Shapes
145	4	Bisecting an Angle
146a	4	Constructing Perpendiculars - Bisecting
146b	4	Constructing Perpendiculars - From any
147	4	Drawing a Triangle Using Compasses
148	4	Enlargements
149	4	Tangents, Arcs, Sectors and Segments

154	5	Negative Indices
155	5	Error Intervals
156	5	Mathematical Reasoning
157	5	Factorising and Solving Quadratics
158	5	The Difference of Two Squares
159a	5	Equation of a Straight Line - $y = mx + c$
159b	5	Equation of a Straight Line - Gradient and
160	5	Roots and Turning Points of Quadratics
161	5	Cubic and Reciprocal Graphs
162	5	Simultaneous Equations Algebraically
163	5	Geometric Progressions