

## GRADES 3-6

Each video on Mathswatch can be searched using it's number code.

Each week, watch the 1 minute videos for each topic.

Once you've watched the video and understood the topic, tick the completed box.

If you do not understand it, click on the "Full Version" tab and watch the longer version

Video Number	Title	Grade	Completed	Week
66	Multiplying Decimals	3		25-Sep
67	Dividing Decimals	3		
68a	Four Rules of Negatives - Adding and Subtracting	3		
68b	Four Rules of Negatives - Multiplying and Dividing	3		
75	BODMAS/BIDMAS	3		
77	Calculator Questions	3		
70	Comparing Fractions	3		02-Oct
71a	Adding and Subtracting Fractions - A Standard Method	3		
71b	Adding and Subtracting Fractions - An Alternative Method	3		
72	Finding a Fraction of an Amount	3		
73	Multiplying Fractions	3		
74	Dividing Fractions	3		
69	Listing Strategies	3		09-Oct
125	Experimental Probabilities	3		
126	Possibility Spaces	3		
127a	Venn Diagrams - Introduction	3		
127b	Venn Diagrams - Notation	3		
185	Probability using Venn Diagrams	6		
76	Reciprocals	3		16-Oct
78	Product of Primes	3		
79	Highest Common Factor (HCF)	3		
80	Lowest Common Multiple (LCM)	3		
81	Squares, Cubes and Roots	3		
82	Working with Indices	3		
83	Standard Form	3		23-Oct
92	Using Place Value	3		
131	Index Notation	4		
154	Negative Indices	5		
93	Expanding Brackets	3		30-Oct
94	Simple Factorisation	3		
134a	Expanding and Simplifying Brackets - Single Set of Brackets	4		
134b	Expanding and Simplifying Brackets - Double Set of Brackets	4		
157	Factorising and Solving Quadratics	5		
158	The Difference of Two Squares	5		
95	Substitution	3		06-Nov
96	Straight Line Graphs	3		
97	The Gradient of a Line	3		
98	Drawing Quadratic Graphs	3		
99	Sketching Functions	3		
133	Midpoint of a Line on a Graph	4		
159a	Finding the Equation of a Straight Line - $y=mx+c$	5		
159b	Finding the Equation of a Straight Line - Gradient and Coordinat	5		
100	Solving Equations using Flowcharts	3		13-Nov
101	Subject of a Formula using Flowcharts	3		
135a	Solving Equations - Balancing	4		
135b	Solving Equations - Float & Ping	4		
136	Rearranging Simple Formulae	4		

Video Number	Title	Grade	Completed	Week
102	Generating a Sequence from the nth Term	3		20-Nov
103	Finding the nth Term	3		
104	Special Sequences	3		
141	Fibonacci Sequences	4		
163	Geometric Progressions	5		
105	Exchanging Money	3		27-Nov
106	Sharing using Ratio	3		
107	Ratios, Fractions and Graphs	3		
142	Compound Units	4		
143	Distance-Time Graphs	4		
84	Decimals and Fractions	3		04-Dec
85	Fractions, Percentages, Decimals	3		
86	Percentage of an Amount (Calc.)	3		
87	Percentage of an Amount (Non-Calc.)	3		
88	Change to a Percentage (Calc.)	3		
89	Change to a Percentage (Non-Calc.)	3		
177	Recurring Decimals to Fractions	6		11-Dec
108	Increase/Decrease by a Percentage	3		
109	Percentage Change	3		
110	Reverse Percentage Problems	3		
111	Simple Interest	3		
164	Compound Interest and Depreciation	5		
90	Rounding to Significant Figures	3		18-Dec
91	Estimating Answers	3		
132	Introduction to Bounds	4		
155	Error Intervals	5		
156	Mathematical Reasoning	5		
112	Metric conversions	3		08-Jan
113	Problems on Coordinate Axes	3		
114a	Surface Area of a Prism - Cuboids	3		
114b	Surface Area of a Prism - Triangular Prisms	3		
115	Volume of a Cuboid	3		
119	Volume of a Prism	3		15-Jan
116	Circle Definitions	3		
117	Area of a Circle	3		
118	Circumference of a Circle	3		
149	Tangents, Arcs, Sectors and Segments	4		
167	Sectors of a Circle	5		22-Jan
120	Angles and Parallel Lines	3		
121	Angles in a Triangle	3		
122	Properties of Special Triangles	3		
123	Angle Sum of Polygons	3		
128a	Representing Data - Pie Charts	3		29-Jan
128b	Representing Data - Stem and Leaf Diagrams	3		
129	Scatter Diagrams	3		
130a	Averages from a table - Basics	3		
130b	Averages from a table - Estimate for the Mean	3		
186	Cumulative Frequency	6		
187	Boxplots	6		
137	Forming Formulae and Equations	4		05-Feb
138	Inequalities on a Number Line	4		
139	Solve Linear Inequalities	4		
140	Simultaneous Equations Graphically	4		
162	Simultaneous Equations Algebraically	5		
160	Roots and Turning Points of Quadratics	5		12-Feb
161	Cubic and Reciprocal Graphs	5		
178	Product of Three Binomials	6		

Video Number	Title	Grade	Completed	Week
179	Iteration - Trial and Improvement	6		
180	Iterative Processes	6		
124	Bearings	3		19-Feb
145	Bisecting an Angle	4		
146a	Constructing Perpendiculars - Bisecting a Line	4		
146b	Constructing Perpendiculars - From any Point	4		
147	Draw a Triangle Using Compasses	4		
165	Loci	5		
144	Similar Shapes	4		26-Feb
148	Enlargements	4		
166	Congruent triangles	5		
181a	Enlargement - Negative Scale Factor - Using Construction Lines	6		
181b	Enlargement - Negative Scale Factor - Using Column Vectors	6		
182	Combinations of Transformations	6		
150a	Pythagoras' Theorem - A Simple Approach	4		05-Mar
150b	Pythagoras' Theorem - An Algebraic Approach	4		
150c	Pythagoras' Theorem - Line on a Graph	4		
168	Trigonometry	5		
173	Exact Trigonometric Values	5		
151	Simple Tree Diagrams	4		12-Mar
152	Sampling Populations	4		
153	Time Series	4		
175	Harder Tree Diagrams	5		
176	Stratified sampling	5		
169	Spheres	5		19-Mar
170	Pyramids	5		
171	Cones	5		
172	Frustums	5		
174	Introduction to Vectors	5		
183	Circle Theorems	6		
184	Proof of Circle Theorems	6		
	<a href="http://vle.mathswatch.co.uk">vle.mathswatch.co.uk</a>			
Login:	MyMaths number @hazelgrovehigh			
Password:	MyMaths password			
<p>There are interactive worksheets for you to complete once you have watched the video so you can test your knowledge.</p> <p style="text-align: right;">Good luck!</p>				