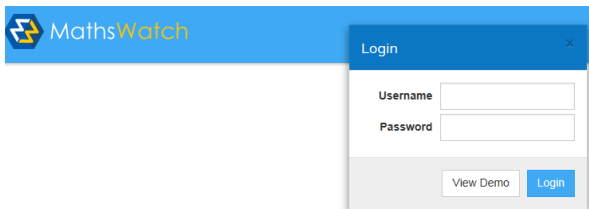# Year 8 T1 Assessment Revision

You will be undertaking your T1 assessments starting on 1st February.

Your assessment will consist of three papers, each 1 hour long.

We recommend that you use MathsWatch to help with your revision. Below are the clips that are relevant to the T1 topics that are to be tested.
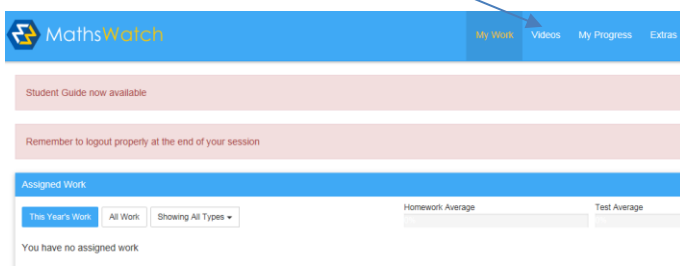
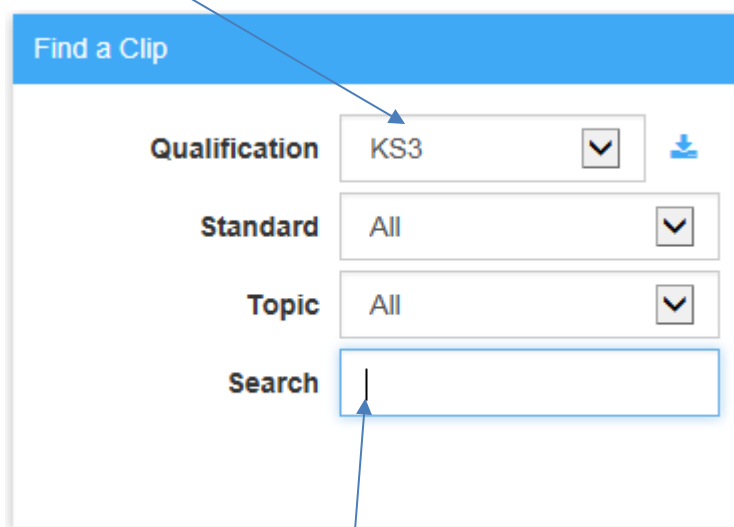Reminder: MathsWatch is at **www.vle.mathswatch.co.uk**

Your username is the same as your **Mymaths username @bishopchalloner**

Your password is **bishop**

When you log in, click on **Videos**

Select **KS3**

Search by entering the **Clip Number**

Your time on MathsWatch topics is recorded on the website; your teacher will be able to see how much revision you have done on Mathswatch!

Topic	MathsWatch Clip Number	Revised?
Apply the four operations (add, subtract, multiply and divide) to integers, decimals and simple fractions - both positive and negative.	N3a/N3b/N4a/N4b/N5/N6/N13a/N13b/N14a/N14b/N15a/N15b/N16/N17a/N17b/N19a/N19b/N28a/N28b/N29a/N29b/N40a/N40b	
Order positive and negative integers, decimals (and simple fractions). Use the symbols =, ≠, ≤, ≥, >, <	N2a/N2b/N9	
Use conventional notation for priority of operations, including brackets, powers, roots and reciprocals (BIDMAS)	N20	
Use positive integer powers and associated real roots (square and cube).	N25	
Use standard units of mass, length, time, money and other measures (including standard compound measures) using decimal quantities where appropriate.	N7a/N7b/N7c	
Use and interpret algebraic notation.	A4	
Simplify and manipulate algebraic expressions by: collecting like terms; multiplying a single term over a bracket.	A6/A7a/A7b/A8	
Substitute numerical values into formulae and expressions, including scientific formulae.	A10	
Solve linear equations in one unknown algebraically.	A12/A17	
Apply the four operations to fractions (proper and improper) and mixed numbers (both positive and negative).	N35/N36/N37a/N37b/N41/N42a/N42b	
Use the concepts and vocabulary of prime numbers, factors (divisors), multiples, common factors, common multiples, highest common factor lowest common multiple, prime factorisation, including using product notation and the unique factorisation theorem.	N10/N11/N30a/N30b/N31a/N31b	
Use ratio notation, including reduction to its simplest form. Divide a given quantity into a given ratio.	R1a/R1b/R5a/R5b	
Express quantities as a ratio or as a fraction.	R3	
Simplify and manipulate algebraic expressions by: taking out common factors; simplifying expressions involving sums, products and powers, including the laws of indices.	A9	
Expand the products of two expressions.	A18	
Solving linear equations in one unknown including those with the unknown on both sides of the equation.	A19a/A19b	
Express one quantity as a percentage of another. Interpret percentages as a fraction or a decimal;	N24a/N24b/N32/N39a/N39b	
Interpret, analyse and compare the distributions of data sets by calculating measures of central tendency (median, mean, mode and modal class) and spread (range).	S6/S7	
Work with co-ordinates in all 4 quadrants	A1a/A1b	
Plotting Linear and Quadratic functions	A14a/A15	
Generate terms of a sequence form either a term-to term or position-to-term rule.	A11a/A11b	
Recognise and use sequences of triangular, square and cube numbers, simple arithmetic progressions.	N12	
Apply the properties of angles at a point, angles at a point on a straight line, vertically opposite angles; plus angles in a triangle.	G13/G17	
Interpret and construct tables, charts and diagrams, including frequency tables, pie charts, bar charts and pictograms for categorical data, vertical line charts for ungrouped discrete numerical data and know their appropriate use.	S1a/S1b/S2a/S2b/S3/S4/S5/S9	
Know and apply formulae to calculate: area of triangles	G20a/G20c	

Deduce expressions to calculate the nth term of linear sequences.	A11c	
Apply the property that the probabilities of an exhaustive set of outcomes sum to 1; apply the property that the probabilities of an exhaustive set of mutually exclusive events sum to 1.	P2a/P2b/P3	
Use and interpret scatter graphs; recognise correlation; draw estimated lines of best fit; make predictions.	S8	
Identify, describe and construct congruent and similar shapes, including on coordinate axes, by considering rotation, reflection, translation and enlargement.	G4a/G4b/G5/G6/G28	
Calculate surface area of cuboids and other prisms.	G21b/G25b	

If you want to revise other topics, you can search for them by topic.