Topic	Video	Maths Watch
Autu	ımn block 1 - Sequences	
Describe and continue sequence	https://vimeo.com/452511896	A11a
Predict and check next term	https://vimeo.com/452511724	
Sequence in a table and graphically	https://vimeo.com/452511472	
Linear and non linear	https://vimeo.com/452511256	A11b, A11c, A22
Continue linear sequences	https://vimeo.com/455212534	
Continue non linear sequences	https://vimeo.com/455212822	
Explain the term to term rule	https://vimeo.com/455213178	
Find the missing term	https://vimeo.com/455213393	
Autumn block 2 -	Understand & Use Algebraic Notat	ion
Given a numerical input, find the	https://vimeo.com/457723009	N26
output of a single function machine		
Use inverse operations to find the	https://vimeo.com/457728509	A3
input given the output		
Use diagrams and letters to generalise	https://vimeo.com/457732726	
number operations		
Use diagrams and letters with single	https://vimeo.com/457728945	N26
function machines		
Find the function machine given a	https://vimeo.com/458573114	
simple expression		
Substitute values into single operation	https://vimeo.com/458573490	A10
expressions		
Find numerical inputs and outputs for	https://vimeo.com/458573733	
a series of two function machines		
Use diagrams and letters with a series	https://vimeo.com/458573856	
of two function machines		
Find the function machines given a	https://vimeo.com/463003143	
two-step expression		
Substitute values into two-step	https://vimeo.com/463004032	A10
expressions		
Generate sequences given an algebraic	https://vimeo.com/463005804	
rule	4.0000	
Represent one- and two-step functions	https://vimeo.com/463007502	
graphically		
	ock 3 - Equality & Equivalence	
Understand the meaning of equality	https://vimeo.com/463818524	
Understand and use fact families,	https://vimeo.com/463818697	
numerically and algebraically	hu - // /462242342	1412
Solve one-step linear equations	https://vimeo.com/463819610	A12
involving +/- using inverse operations	https://dimess.com/4622225724	
Solve one-step linear equations	https://vimeo.com/463820701	
involving x/÷ using inverse operations	https://wipe-s-s/405702450	A.C.
Understand the meaning of like and	https://vimeo.com/465782158	A6
unlike terms	https://wimes.com/465700765	
Understand the meaning of	https://vimeo.com/465780705	
equivalence		

Simplify algebraic expressions by	https://vimeo.com/465781557	<u>A6</u>
collecting like terms, using the ≡	11ttps:// viiiico.com/ 403701337	<u>710</u>
symbol		
	ock 4 - Place Value & Ordering	
Recognise the place value of any	https://vimeo.com/469025929	N1a, N1b
number in an integer up to one billion		,
Understand and write integers up to	https://vimeo.com/469026293	
one billion in words and figures		
Work out intervals on a number line	https://vimeo.com/469026473	
Position integers on a number line	https://vimeo.com/469026619	
Round integers to the nearest power of	https://vimeo.com/471731445	N27a
ten		
Compare two numbers using =, ≠, <, >,	https://vimeo.com/471730234	A20a
≤, ≥		
Order a list of integers	https://vimeo.com/476238232	N2a
Find the range of a set of numbers	https://vimeo.com/476238351	S6
Find the median of a set of numbers	https://vimeo.com/476238399	1
Understand place value for decimals	https://vimeo.com/476239368	N1b
Position decimals on a number line	https://vimeo.com/476239410	
Compare and order any number up to	https://vimeo.com/478517775	A20a
one billion		
Round a number to 1 significant figure	https://vimeo.com/478518362	N38
Write 10, 100, 1000 etc. as powers of	https://vimeo.com/478519115	N25
10 (H)		
Write positive integers in the form	https://vimeo.com/478519553	N45a
Ax10n (H)		
Investigate negative powers of ten (H)	https://vimeo.com/478519991	154
Investigate negative powers of ten (H)	https://vimeo.com/478520361	
Autumr	n block 5 - FDP Equivalence	
Represent tenths and hundredths as	https://vimeo.com/481601101	N23a
diagrams		
Represent tenths and hundredths on	https://vimeo.com/481601148	N32
number line		
Interchange between fractional and	https://vimeo.com/481601212	
decimal number lines		
Convert between fractions and	https://vimeo.com/481601482	
decimals - tenths and hundredths		
Convert between fractions and	https://vimeo.com/484047374	
decimals - fifths and quarters	hu // /40404=0=0	-
Convert between fractions and	https://vimeo.com/484047978	
decimals - eighths and thousandths (H)	https://wipsess.com/404040407	-
Understand the meaning of percentage	https://vimeo.com/484048407	
using a hundred square	https://wimaa.com/494049047	1
Convert fluently between simple	https://vimeo.com/484048947	
fractions, decimals and percentages	https://vimag.com/494040404	\$9
Use and interpret pie charts	https://vimeo.com/484049498	33
Represent any fraction as a diagram	https://vimeo.com/484049771	
Represent fractions on number lines	https://vimeo.com/485570497	

Identify and use simple equivalent fractions  Understand fractions as division  Convert fluently between fractions, decimals and percentages  Explore fractions above one, decimals and percentages (H)  Spring block 1 - Addition & Subtraction  Properties of addition and subtraction  Mental strategies for addition and subtraction  Use formal methods for addition of integers  Use formal methods for subtraction of decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve problems involving tables and https://vimeo.com/491672318  P132  N32  N32  N32  N32  N32  N34  N35, N4B  N36, N4B  N37, N4  N37, N4  N38, N4B  N39, N4B  N39, N4B  N39, N4B  N4, N4B  N4, N4B  N5, N4B  N5, N4B  N6, N4B  N6, N4B  N6, N4B  N6, N4B  N7, N4  N8,	
Convert fluently between fractions, decimals and percentages  Explore fractions above one, decimals and percentages (H)  Spring block 1 - Addition & Subtraction  Properties of addition and subtraction  Properties of addition and subtraction  Mental strategies for addition and subtraction  Use formal methods for addition of integers  Use formal methods for subtraction of decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/491672317  N32  N32  N34  N35, N48  N36, N48  N37, N4  N37, N4  N37, N4  N37, N4  N38, N4  N39, N4  N	
decimals and percentages  Explore fractions above one, decimals and percentages (H)  Spring block 1 - Addition & Subtraction  Properties of addition and subtraction  Mental strategies for addition and subtraction  Use formal methods for addition of integers  Use formal methods for subtraction of decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/491672317  https://vimeo.com/491672317	
Explore fractions above one, decimals and percentages (H)  Spring block 1 - Addition & Subtraction  Properties of addition and subtraction  Mental strategies for addition and subtraction  Use formal methods for addition of integers  Use formal methods for subtraction of decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/491672317	
and percentages (H)  Spring block 1 - Addition & Subtraction  Properties of addition and subtraction  Mental strategies for addition and subtraction  Use formal methods for addition of integers  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/491672317	
Spring block 1 - Addition & Subtraction  Properties of addition and subtraction  Mental strategies for addition and subtraction  Use formal methods for addition of integers  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/491672317	
Properties of addition and subtraction  Mental strategies for addition and subtraction  Use formal methods for addition of integers  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/491672317	
Mental strategies for addition and subtraction  Use formal methods for addition of integers  Use formal methods for addition of decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/490892938  N3a, N4b  N3, N4  https://vimeo.com/490893785  https://vimeo.com/490893785  https://vimeo.com/490894240  G8a	
Subtraction  Use formal methods for addition of integers  Use formal methods for addition of decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/490893785  https://vimeo.com/490894240  https://vimeo.com/490894649  G8a	
Use formal methods for addition of integers  Use formal methods for addition of decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/491672317	
integers  Use formal methods for addition of decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/491672240  https://vimeo.com/491672317	
Use formal methods for addition of decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/490893785  https://vimeo.com/490894240  https://vimeo.com/490894649  https://vimeo.com/490895019  G8a	
decimals  Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/490894649  https://vimeo.com/490895019  https://vimeo.com/491672240  G8a	
Use formal methods for subtraction of integers  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/490894240  https://vimeo.com/490894649  https://vimeo.com/490895019  G8a	
integers  Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/490895019  https://vimeo.com/491672240  G8a  https://vimeo.com/491672317	
Use formal methods for subtraction of decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/490895019  https://vimeo.com/491672240  https://vimeo.com/491672240  https://vimeo.com/491672317	
decimals  Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/491672240  https://vimeo.com/491672317	
Choose the most appropriate method: mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/490895019  https://vimeo.com/491672240  https://vimeo.com/491672317	
mental strategies, formal written or calculator  Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/491672317	
calculatorhttps://vimeo.com/491672240G8aSolve financial maths problemshttps://vimeo.com/491672317	
Solve problems in the context of perimeter  Solve financial maths problems  https://vimeo.com/491672240  https://vimeo.com/491672317	
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Solve financial maths problems <a href="https://vimeo.com/491672317">https://vimeo.com/491672317</a>	
1 Solve problems involving tables and 1 Inteps.// vinico.com/ 131072330   1-1	
timetables	
Solve problems with frequency trees <a href="https://vimeo.com/491672453">https://vimeo.com/491672453</a> <a href="https://vimeo.com/491672453"><u>\$5</u></a>	
Solve problems with bar charts and <a href="https://vimeo.com/491672436">https://vimeo.com/491672436</a> <a href="https://vimeo.com/491672436">S2a, S2b</a>	
line charts	
Add and subtract numbers given in <a href="https://vimeo.com/491672502">https://vimeo.com/491672502</a> <a href="N45a">N45a</a> , N45b	
standard form (H)	
Spring block 2 - Multiplication & Division	
Properties of multiplication & division <a href="https://vimeo.com/499605713">https://vimeo.com/499605713</a>	
Understand and use factors <a href="https://vimeo.com/499606698">https://vimeo.com/499606698</a> <a href="https://vimeo.com/499606698">N10</a>	
Understand and use multiples <a href="https://vimeo.com/499607033">https://vimeo.com/499607033</a> <a href="https://vimeo.com/499607033">N11</a>	
Multiply and divide integers and <a href="https://vimeo.com/499607473">https://vimeo.com/499607473</a> <a href="https://vimeo.com/499607473">N17a</a>	
decimals by powers of 10	
Multiply by 0.1 and 0.01 (H) <a href="https://vimeo.com/499607755">https://vimeo.com/499607755</a> N17b	
Convert metric units <a href="https://vimeo.com/499608079">https://vimeo.com/499608079</a>	
Use formal methods to multiply <a href="https://vimeo.com/499608515">https://vimeo.com/499608515</a> <a href="N28a, N15a">N28a, N15a</a>	
integers	
Use formal methods to multiply <a href="https://vimeo.com/499609059">https://vimeo.com/499609059</a> N28b, N15b	
decimals	
Use formal methods to divide integers <a href="https://vimeo.com/500778191">https://vimeo.com/500778191</a> N29a, N16	
Use formal methods to divide decimals <a href="https://vimeo.com/500778599">https://vimeo.com/500778599</a> <a href="https://vimeo.com/500778599">N29b</a>	
THE STATE OF	
Understand and use order of <a href="https://vimeo.com/500778922">https://vimeo.com/500778922</a> N20	

Solve problems using the area of	https://vimeo.com/503502978	<u>G20a, G20b</u>
rectangles and parallelograms		
Solve problems using the area of	https://vimeo.com/503505576	<u>G20c</u>
triangles		
Solve problems using the area of	https://vimeo.com/503507122	G20d
trapezia (H)		
Solve problems using the mean	https://vimeo.com/503509017	<u>\$7</u>
Explore multiplication and division in	https://vimeo.com/503510295	
algebraic expressions (H)		
	Fractions & Percentages of Amoun	ts
Find a fraction of a given amount	https://vimeo.com/505242774	N33
Use a given fraction to find the whole	https://vimeo.com/505244871	
and/or other fractions		
Find a percentage of a given amount	https://vimeo.com/505245850	N24b
using mental methods		
Find a percentage of a given amount	https://vimeo.com/505246845	
using a calculator	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	
Solve problems with fractions greater	https://vimeo.com/505248135	
than 1 and percentages greater than	11.12p3.// VIIIICO.COIII/ 303240133	
100% (H)		
Spring block 4 - Directed Number		
		N10- N10-
Understand and use representations of	https://vimeo.com/510351831	N19a, N19b
directed numbers	https://winess.sep./5400550010	
Order directed numbers using lines	https://vimeo.com/510352210	
and appropriate symbols	11 11 1	
Perform calculations that cross zero	https://vimeo.com/510352665	
Add directed numbers	https://vimeo.com/510353138	
Subtract directed numbers	https://vimeo.com/510353459	
Multiplication of directed numbers	https://vimeo.com/516391393	
Multiplication and division of directed	https://vimeo.com/516391970	
numbers		
Use a calculator for directed number	https://vimeo.com/516392249	
calculations		
Evaluate algebraic expressions with	https://vimeo.com/516393008	
directed number		
Introduction to two-step equations	https://vimeo.com/516393499	
Solve two-step equations	https://vimeo.com/518994039	A19a
Use order of operations with directed	https://vimeo.com/518994953	N20
numbers	11.000 TO 3 T	
Roots of positive numbers (H)	https://vimeo.com/518995446	N25
Explore higher powers and roots (H)	https://vimeo.com/519001290	1445
	Addition & Subtraction of Fraction	
Understand representations of	https://vimeo.com/519974593	<u>N23a</u>
fractions	1 11 1	
Convert between mixed numbers and	https://vimeo.com/519458046	N35
fractions		
Add and subtract unit fractions with	https://vimeo.com/519458395	N36
the same denominator		

Add and subtract fractions with the	https://vimeo.com/519458698	
same denominator		
Add and subtract fractions from	https://vimeo.com/523798614	
integers expressing the answer as a		
single fraction		
Understand and use equivalent	https://vimeo.com/523798657	N23b
fractions		
Add and subtract fractions where	https://vimeo.com/523798712	N36
denominators share a simple common		
multiple		
Add and subtract fractions with any	https://vimeo.com/523798787	
denominator		
Add and subtract improper fractions	https://vimeo.com/523798826	N41
and mixed numbers		
Use fractions in algebraic contexts	https://vimeo.com/523798863	210a
Use equivalence to add and subtract	https://vimeo.com/523820436	
decimals and fractions		
Add and subtract simple algebraic	https://vimeo.com/525459423	
fractions (H)		
Summer Block 1 - Constru	cting, Measuring & Using Geomet	ric Notation
Understand and use letter and	https://vimeo.com/530747568	G10a, G10b
labelling conventions including those		
for geometric figures		
Draw and measure line segments	https://vimeo.com/530747611	
including geometric figures		
Understand angles as a measure of	https://vimeo.com/530904024	
turn		
Classify angles	https://vimeo.com/530905642	
Measure angles up to 180°	https://vimeo.com/530907546	G10c
Draw angles up to 180°	https://vimeo.com/533528945	
Draw and measure angles between	https://vimeo.com/533529660	
180° and 360°		
Identify perpendicular and parallel	https://vimeo.com/533530515	
lines		
Recognise types of triangle	https://vimeo.com/533530987	<u>G16</u>
Recognise types of quadrilateral	https://vimeo.com/533532001	G14
Identify polygons up to a decagon	https://vimeo.com/533526575	G11 G11
Construct triangles using SSS	https://vimeo.com/536238229	G26a, G26b, G26c
Construct triangles using SSS, SAS and	https://vimeo.com/533527191	<u> </u>
ASA	11ttps://viiiieu.com/53352/191	
	https://vimoo.com/522527045	
Construct more complex polygons	https://vimeo.com/533537045	co
Interpret simple pie charts using	https://vimeo.com/533533844	<u>\$9</u>
proportion	https://www.upacconsta	
Interpret pie charts using a protractor	https://vimeo.com/536237513	
Draw pie charts	https://vimeo.com/536237082	
Summer Block 2 - Develop Geometric Reasoning		
Understand and use the sum of angles	https://vimeo.com/541563921	<u>45</u>
at a point		

Understand and use the sum of angles	https://wimoo.com/E41E6206E	
Understand and use the sum of angles	https://vimeo.com/541563965	
on a straight line	https://wiman.com/F42F60662	120
Understand and use the equality of	https://vimeo.com/542560663	120
vertically opposite angles	https://wincon.com/F42FC4442	121
Know and apply the sum of angles in a	https://vimeo.com/542561112	121
triangle	https://wincon.com/F42F0F422	
Know and apply the sum of angles in a quadrilateral	https://vimeo.com/542585433	
Solve angle problems using properties	https://vimeo.com/542585859	
	<u>IIIIps://viiiieo.com/542585859</u>	
of triangles and quadrilaterals	https://wimag.com/F43F9C173	
Solve complex angle problems	https://vimeo.com/542586173	422
Find and use the angle sum of any	https://vimeo.com/544930098	123
polygon (H)		
Investigate angles in parallel lines (H)	https://vimeo.com/544930665	
Understand and use parallel line angles	https://vimeo.com/544931429	
rules (H)		-
Use known facts to obtain simple	https://vimeo.com/544933359	
proofs (H)		
	ck 3 - Developing Number Sense	NO NOL NEO MAC
Know and use mental addition and	https://vimeo.com/547567136	N3a, N3b, N13a, N13b,
subtraction strategies for integers		N19a
Known and use mental multiplication	https://vimeo.com/547567598	
and division strategies for integers		
Know and use mental arithmetic	https://vimeo.com/547851767	
strategies for decimals		
Know and use mental arithmetic	https://vimeo.com/547860375	
strategies for fractions		
Use factors to simplify calculations	https://vimeo.com/549355838	
Use estimation as a method for	https://vimeo.com/549366621	
checking mental calculations		
Use known number facts to derive	https://vimeo.com/549380677	
other facts		
Use known algebraic facts to derive	https://vimeo.com/552302912	
other facts		
Know when to use a mental strategy,	https://vimeo.com/552303260	
formal written method or a calculator		
	Block 4 - Sets and Probability	
Identify and represent sets	https://vimeo.com/560341864	P6
Interpret and create Venn diagrams	https://vimeo.com/560341984	
Understand and use the intersection of	https://vimeo.com/560342105	
sets		
Understand and use the union of sets	https://vimeo.com/560342194	
Understand and use the complement	https://vimeo.com/560367094	
of a set (H)		
Know and use the vocabulary of	https://vimeo.com/562763694	P1
probability		
Generate sample spaces for single	https://vimeo.com/562764178	
events		
Calculate the probability of a single	https://vimeo.com/561819027	
event		
	•	-

Understand and use the probability scale	https://vimeo.com/562769033	
Know that the sum of probabilities for all possible outcomes is 1	https://vimeo.com/562798744	
Summer Blo	ock 5 - Prime Numbers & Proof	
Find and use multiples	https://vimeo.com/565629517	N11
Identify factors of numbers and expressions	https://vimeo.com/565630163	N10
Recognise and identify prime numbers	https://vimeo.com/565630634	N30a
Recognise square and triangular numbers	https://vimeo.com/565631096	
Find common factors of a set of numbers including the HCF	https://vimeo.com/565631650	N31a
Find common multiples of a set of numbers including the LCM	https://vimeo.com/566474094	N31b
Write a number as a product of its prime factors	https://vimeo.com/566094932	N30b
Use a Venn diagram to calculate the HCF and LCM (H)	https://vimeo.com/566095046	N31a, N31b
Make and test conjectures	https://vimeo.com/566476534	
Use counter examples to disprove a conjecture	https://vimeo.com/566474409	