

Unit A

YEAR 7: ASSESSING PERSONAL PROGRESS

APP Sheet

UNIT A TEST:

Colour the column green if you can do it in class, orange if you can do some, red if you feel you cannot understand any.

The codes are for the **KS3** section on www.mathswatchvle.com.

You must write Book of Power notes for the topics which are typed in bold below.

<i>I can add and subtract integers.</i>	N3	I know that $3(n + 2)$ means the same as $3 \times (n + 2)$	A8
<i>I can add and subtract decimals</i> e.g. $671.7 - 60.2$ $75.56 + 312.2 + 5.07$	N4	I can simplify algebra e.g. $3x + 5x$ $6f - f$ $2m + 5 + 4m$	A6
I can multiply integers without a calculator e.g. 673×24	N15a N18	I can multiply with algebra. e.g. $2m \times 9$ $3m \times 5m$	A7a
I can multiply a decimal by a number e.g. 5.2×3 6.24×8	N15b	I can divide with algebra e.g. $8y \div 2$	A7a
I can divide two numbers (and write down a proper method to show this). e.g. $3199 \div 7$ $731 \div 17$	N6	I can work out the perimeter of a rectangle	G8
I can divide a decimal by a number e.g. $109.6 \div 8$ $239.22 \div 6$	N16	I can work out the area of a rectangle	G9 G20a
I can use BIDMAS to work out a sum.	N20	I can work out the area of a triangle	G20a
I can use a letter or a symbol to replace an unknown number.	A2 A4	I can work out the surface area of cubes and cuboids	G25b
I can write a sentence in algebra e.g. "add 7 to a number" can be written " $n + 7$ ".	A3	I can write expressions and formulae for each of the things written above	BOP
I can simplify $n + n + n$.	A6	I can work out the area of composite shapes	G24
I understand that $a = b$ means the same as $b = a$.	BOP	I can solve problems using perimeter & area of rectangles	BOP
I understand that $a + b = c$ means the same as $c = a + b$.	BOP	I can work out the surface area of prisms, where the surface is made up of rectangles.	BOP
I can simplify $3 \times d$.	A7a	I can write a questionnaire	BOP
I can simplify $m \times m$.	A7a	I can design a data collection sheet	BOP

Unit B

YEAR 7: ASSESSING PERSONAL PROGRESS

APP Sheet

UNIT B TEST:

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The codes are for the **KS3** section on www.mathswatchvle.com.

You must write Book of Power notes for the topics which are typed in bold below.

I know all the prime numbers up to 100.	N30	I can do reflections.	G4
I can find the factors of a number.	N10	I can draw the lines of symmetry on a shape.	G3
I can work out the higher Common Factor of two numbers.	N31a	I can do rotations.	G6
I can work out multiples of numbers.	N11	I can work out the order of rotational symmetry.	G7
I can work out the Lowest Common Multiple of two numbers.	N31b	I can do translations.	G5
I know the first 12 square numbers and can write the sums using powers.	N25	I can do enlargements.	G28
I can square root these numbers.	N25	I can recognise when a shape has been rotated.	G6
I can $\sqrt{900}$ and $\sqrt{160000}$ without a calculator.	N25	I can calculate the mean of a set of numbers.	S7
I can work out the triangular numbers.	A22	I can calculate the mode of a set of numbers.	S6
I can use negative numbers in real life.	N18	I can calculate the median of a set of numbers.	S6
I can add/subtract with negatives.	N19a	I can calculate the range of a set of numbers.	S6
I can multiply/divide with negatives.	N19b	I can solve problems using the averages & range.	BOP

Unit C

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APP Sheet

UNIT C TEST:

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The codes are for the **KS3** section on www.mathswatchvle.com.

You must write Book of Power notes for the topics which are typed in bold below.

<i>I can shade in fractions of a shape.</i>	N23a	I know the difference between a line and line segment.	G1
<i>I can match equivalent fractions.</i>	N23b	I know how to label the corners and sides of shapes correctly	BOP
<i>I can simplify fractions.</i>	N23c	I know how to label equal sides on diagrams	BOP
I can switch between mixed numbers and improper fractions.	N35	I know how to label parallel sides on diagrams.	G1
I can add and subtract fractions with the same denominator.	N36	I can recognise parallel and perpendicular lines.	G1
I can add and subtract fractions with different denominators.	N41	I know angles on a straight line sum to _____	G13
I can understand substitution	A10	I can recognise vertically opposite angles and know that they are _____	G13
I can substitute into an expression	A10	I know angles at a point sum to _____	G13
I can draw and read information from bar-line graphs.	S2	I know angles in a triangle sum to _____	G17
I can draw and read information from bar charts.	S2	I can work out missing angles in scalene, isosceles, equilateral and right-angled triangles.	G16
I can draw and read information from multiple bar charts.	BOP	I can name 2D shapes and know their properties.	G14 G16
I can draw and read information from compound bar charts.	BOP	I can tessellate shapes.	BOP
I can draw and read information from a frequency diagram.	S5		

UNIT D TEST:

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You must write **Book of Power** notes for the topics which are typed in bold below.

I understand the value of each digit in an integer	N1a	I can find the next term in a sequence.	A11a
I understand the value of each digit in a decimal	N1b	I can explain a rule for a sequence in words	A11b
I can change between numbers written in words and in figures.	N1	I can find the n^{th} term for a sequence.	A11c
I can write decimals in order.	N2b	I know which metric units are used for length, area and volume.	N7a
I can multiply and divide numbers by 10, 100 and 1000.	N17	I can change between different metric units e.g. 36 cl = _____ ml 237 ml = _____ l	R2
I can read values on a scale to the nearest 10, 100 or 1000.	N8	I can read scales.	N8
I can round numbers to the nearest integer.	N27a	I know the points on a compass.	BOP
I can round numbers to 1 decimal place.	N27b		
I can share amounts in ratio.	R5b		

UNIT E TEST:

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You must write Book of Power notes for the topics which are typed in bold below.

I can answer direct proportion questions e.g. If three bars of chocolate cost 90p, I can work out the cost of 6 bars.	R1 R8	I know how to draw the lines $y = 6$ and $x = -2$.	A5
I can answer recipe questions.	R8	I can expand single brackets.	A8
I know how ratios are written.	R1a R1b	I can expand double brackets.	A18
I can simplify ratios.	R5a	I can solve equations using trial-and-improvement.	A16
I can share an amount in a given ratio.	R5b	I can read the time.	N7b
I can plot co-ordinates on a grid.	A1	I can work out the difference between two times.	N7b
I can plot a straight line graph.	A14a	I can understand real life graphs	BOP
I know which equations will give a straight line graph.	A14c	I can read timetables.	N21b
I know which equations will have a positive slope.	A14b		

Unit F

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UNIT F TEST:

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You must write Book of Power notes for the topics which are typed in bold below.

I can write decimals as fractions in their simplest form.	N32 N23c	I can construct a triangle.	BOP
I can change fractions into decimals.	N32	I can accurately construct a net for a cube or cuboid on plain paper.	G12c
I can change between percentages and fractions.	N32	I can accurately construct the two possible nets for a regular tetrahedron on plain paper.	BOP
I can change between percentages and decimals.	N32	I can name 3D shapes	G12b
I can work out percentages of an amount without a calculator. e.g. 10% of £20 15% of £50	N24a N24b	I can name parts of a circle	G2
I can work out more difficult percentages of amounts using a calculator. e.g. 11% of £2800 14.5% of 56 litres	N39b	I can calculate the area of a circle	G22b
I can solve proportion problems	R8	I can calculate the circumference of a circle.	G22a
I can use function machines.	N26	I can use Pythagoras' Theorem.	G30
I can solve one step equations.	A12 A19	I can explain how likely an event is to happen in words.	P1
I can write an equation to solve a word problem.	A17	I know probability is always between ____ and ____.	P1
I can draw and measure lines accurately.	N8	I know probability must always be written as a _____, _____ or _____	P1
I can draw and measure angles accurately.	G10b G10c	I can list all the outcomes from an event	P1 P2
I can use map scales.	G15	I can work out the probability of an event happening.	P2