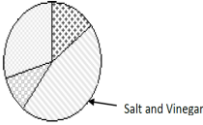
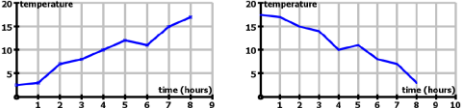


Year 7 - Autumn 1 - Analysing & displaying data - Chapter 1 - STATISTICS

Level		I can... / I know ...	Example	MW	RAG													
Grade	Step			Clips	Start	End												
3	5th	Choose the most appropriate graph to represent data and solve problems.		15; 61; 62; 63; 64; 65; 128; 130; 153														
		Draw, read and interpret tables, bar charts, pie charts, bar-line graphs and line graphs.	32 students were asked for their favourite crisps flavour. Estimate the number of those who chose salt & vinegar 															
		Interpret and draw dual bar charts and compound bar charts.	<table border="1" data-bbox="1267 507 1626 560"> <thead> <tr> <th></th> <th>Blue eyes</th> <th>Brown eyes</th> <th>Green eyes</th> </tr> </thead> <tbody> <tr> <th>Boys</th> <td>5</td> <td>3</td> <td>4</td> </tr> <tr> <th>Girls</th> <td>6</td> <td>7</td> <td>5</td> </tr> </tbody> </table> Draw the appropriate chart for this table			Blue eyes	Brown eyes	Green eyes	Boys	5	3	4	Girls	6	7	5		
			Blue eyes		Brown eyes	Green eyes												
		Boys	5		3	4												
		Girls	6		7	5												
Solve problems involving mean, mode, median and range.	Find five different numbers that have a mean of 6, median of 5 and range of 10.																	
Draw and interpret grouped frequency diagrams.																		
Group discrete and continuous data.																		
2	4th	Compare sets of data using averages and range.																
		Interpret and draw line graphs.	 After six hours, which city has the greatest change in temperature?															
		Analyse and present data using spreadsheets in a computer software program.																
		Use two-way tables.	<table border="1" data-bbox="1267 1161 1675 1222"> <thead> <tr> <th></th> <th>Blue eyes</th> <th>Brown eyes</th> <th>Green eyes</th> </tr> </thead> <tbody> <tr> <th>Boys</th> <td>5</td> <td>3</td> <td></td> </tr> <tr> <th>Girls</th> <td></td> <td>7</td> <td>5</td> </tr> </tbody> </table> If 34 people were asked and 20 were girls, complete the table		Blue eyes	Brown eyes	Green eyes	Boys	5	3		Girls		7	5			
			Blue eyes	Brown eyes	Green eyes													
	Boys	5	3															
Girls		7	5															
Recognise when a graph is misleading.																		
3rd	Calculate and interpret the mean of a set of data.	Find the mean score: 2,4,5,6,5,6, 7,6,8																
	Find the mode, median and range of a set of data.	Find the mode score : 2,4,5,6,5,6, 7,6,8																

Year 7 - Autumn 1 - Number sense - Chapter 2 - NUMBER

Level		I can... / I know ...	Example	MW	RAG	
Grade	Step			Clips	Start	End
3	6th	Add, subtract, multiply and divide positive and negative numbers.		2; 5; 23; 29; 68; 75; 78; 79; 80; 81;		
	5th	Estimate answers to calculations.	Estimate the answer to $886.9 \div 27 - 3.124$ showing the numbers you used			
		Solve word problems using square roots and cube roots including using a calculator.				
		Carry out calculations involving squares, cubes, square roots and cube roots (BIDMAS)	Calculate a) $64 \div (6 - 4)^3 \times 2$ b) $\sqrt[3]{(64 + 8)} \div 9$			
		Use factorising to work out square roots and cube roots.	What are the square factors of 100? Show how you can use these to find the $\sqrt{100}$			
		Calculate with squares and square roots.	Calculate a) $\sqrt{100} + 8$ b) $\frac{\sqrt{40 + 3^2}}{2}$			
		Find all the factor pairs of any whole number.	Find all the factor pairs of 24			
2	4th	Carry out calculations using the order of operations including using brackets.	Calculate a) $(12 + 6) \div (6 - 3)$ b) $60 + 12 \div (12 \div 6)$			
		Use index notation for squares & cubes and understand square roots.	Write in index form: a) $2 \times 2 \times 2$ b) 7×7			
		Recall cubes of 1, 2, 3, 4, 5 & 10 and their corresponding roots.	a) What is the cube root of 1000? b) What is the cube of 5?			
		Know all the squares of numbers less than 16 and their corresponding roots.	What is the square of 9? What is the square root of 49?			
		Find the HCF and LCM of two numbers.	a) Find the hcf of 12 & 15 b) Find the lcm of 5 & 7			
		Understand the difference between multiples, factors and primes.	a) Give three multiples of 12 b) Give the factors of 12 c) What are the first three prime numbers?			
		Use rules for divisibility by 2, 3, 4, 5, 9 and 10.	Which number is not divisible by 3? 48, 90, 111, 51, 23			
		Multiply positive and negative numbers	Calculate: a) -3×-4 b) 5×-6			
		Add and subtract positive and negative numbers (non-calculator)	Calculate : a) $-3 + -4$ b) $7 - -8$ c) $3 + -5 - -7$			
1	2nd	Compare and order positive and negative numbers, and use the < and > signs	Put > or < in the following $-3 \square 4$ $-8 \square -10$			

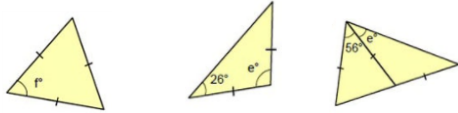
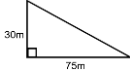
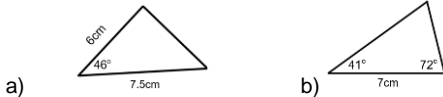
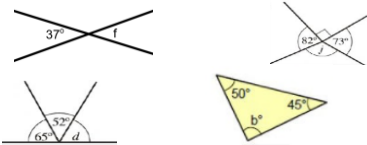
Year 7 - Autumn 2 - Equations, functions & formulae - Chapter 3 - ALGEBRA

Level		I can... / I know ...	Example	MW	RAG	
Grade	Step			Clip	Start	End
3	6th	Multiply a single term over a single bracket eg. $ax(bx + c)$	Expand a) $4n(3m - 7)$ b) $4n(2n + 3m)$	7; 33; 34; 35; 93; 95; 137;		
		Substitute positive values into expressions/formulae involving powers.	Work out the values of each of these expressions when $f = 4$ a) f^2 b) $(f + 1)^2$			
	5th	Multiply a single positive term over a single bracket.	Expand a) $3(m + 2)$ b) $n(m - 2)$ c) $n(3m + n)$			
		Write a simple expression or formulae from a description.	The length of a rectangle is w cm, and the width is 5 cm less than the length. Write down an expression for the area of the rectangle.			
		Substitute into simple formulae.	$T = 20C + 5$ find the value of T when a) $C = 20$ b) $C = 2.1$			
2	4th	Write expressions using the four rules.	Peter is x years old. Sara is four years younger Write an expression, containing x , for Sara's age.			
		Simplifying expressions (\times & \div)	Simplify a) $5t \times 7$ b) $m \times m$ c) $\frac{20n}{5}$ d) $4k \times 2k \times 3k$			
	3rd	Simplifying expressions by collecting like terms (+ & -)	Simplify $3a + 5 - a + 2$			
		Understand the rules of algebraic notation.	1) Write the following algebraically without the \times & \div a) $n \div 3$ b) $m \times 4$ c) $5 \times (x + 1)$ 2) Write what the following mean WITH the \times & \div a) $7g$ b) $\frac{x}{2}$ c) $\frac{v-1}{3}$			

Year 7 - Autumn 2 - Fractions - Chapter 4 - NUMBER

Level		I can... / I know ...	Example	MW	RAG	
Grade	Step			Clip	Start	End
3	6th	Multiply a mixed number by a fraction	a) $\frac{3}{4} \times 2\frac{1}{2} =$ b) $4\frac{1}{5} \times \frac{2}{3} =$	24; 25; 26; 40; 70; 71; 72; 73; 84; 85;		
		Add and subtract with mixed numbers	a) $2\frac{1}{2} + 3\frac{1}{4} =$ b) $10\frac{5}{7} - 3\frac{3}{14} =$			
		Multiply a fraction by a fraction	a) $\frac{2}{5} \times \frac{3}{7}$ b) What is $\frac{1}{4}$ of $\frac{3}{8}$?			
	5th	Use division to write a fraction as a decimal.	Use division to work out what $\frac{1}{8}$ is as a decimal			
		Work out simple equivalent fractions, decimals & percentages.	If $\frac{1}{20} = 0.05 = 5\%$ then what is a) $\frac{1}{40}$ as a decimal b) 0.005 as a fraction c) 15% as a fraction & decimal			
		Multiply a fraction by a whole number	a) $30 \times \frac{1}{3}$ b) $\frac{2}{5}$ of 65			
2	4th	Write an improper fraction as a mixed number and vice versa	a) Write $2\frac{3}{5}$ as an improper fraction b) Write $\frac{22}{5}$ as a mixed number			
		Add and subtract simple fractions.	Calculate the following: a) $\frac{13}{20} - \frac{2}{5}$ b) $\frac{3}{4} + \frac{1}{5} =$			
		Work out simple fractions of amounts.	What is $\frac{3}{5}$ of 55? What is $2\frac{1}{6}$ of \$300?			
		Write one number as a fraction of another	What fraction 1 hour is 20mins? What fraction of 660 is 30?			
	Simplify and order fractions.	1) Simplify a) $\frac{20}{42}$ b) $\frac{21}{90}$ 2) Put in ascending order $\frac{4}{10}$ $\frac{1}{2}$ $\frac{1}{5}$ $\frac{7}{20}$ $\frac{8}{8}$ $\frac{5}{4}$				
3rd	Compare fractions.	Complete the statements using >, <, = a) $\frac{3}{6} \square \frac{1}{2}$ b) $\frac{3}{8} \square \frac{1}{4}$				
1	2nd	Add and subtract fractions with the same denominator	a) $\frac{3}{8} + \frac{2}{8} =$ b) $\frac{10}{17} - \frac{3}{17} =$			
		Recognise equivalent fractions	Which fractions are equivalent to $\frac{2}{5}$? $\frac{4}{8}$, $\frac{8}{20}$, $\frac{10}{50}$, $\frac{6}{15}$			


Year 7 - Spring - Angles & shapes - Chapter 5 - GEOMETRY

Level		I can... / I know ...	Example	MW	RAG	
Grade	Step			Clip	Start	End
3	6th	Use angle, symmetry & side properties of triangles and/or quadrilaterals to solve problems		9; 11; 13; 44; 45; 46; 47; 121; 122;		
		Construct simple geometric shapes using protractor & ruler				
	5th	Base angles in isosceles triangles are equal	Find the missing angles 			
		Angles in equilateral triangles are equal				
		Classify and know properties of quadrilaterals	Explain a) what is the same and b) what is the difference between a square and a rhombus			
	Draw a diagram to scale	Using a scale of 10m to 1cm, draw accurately 				
2	4th	Construct a triangle accurately given two sides & included angle (SAS) or two angles & included side (ASA).	Draw the accurate version of the following using protractor & ruler: 			
		Angles at a point add up to 360°	Find the missing angle 			
		Angles on a line add up to 180°				
		Vertically opposite angles are equal				
	Angles in a triangle add up to 180°					
3rd	Classify and know properties of triangles	What are the properties of an isosceles triangle?				
1	2nd	Draw and measure angles with a protractor	Draw an angle of a) 48° b) 123° c) 200°			
		Classify angles (eg right-, acute, obtuse, reflex)	Draw a sketch of an obtuse angle			

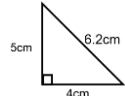

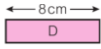
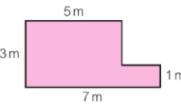

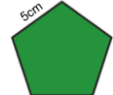
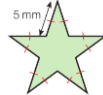
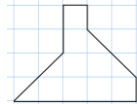

Year 7 - Spring - Decimals & percentages - Chapter 6 - NUMBER

Level		I can... / I know ...	Example	MW	RAG	
Grade	Step			Clip	Start	End
3	6th	Solve problems involving percentages.		1; 2; 3; 17; 18; 19; 20; 30; 31; 32; 40; 66; 67; 72; 84; 85; 87; 91; 92; 108;		
	5th	Calculate simple percentage increases and decreases	a) Increase \$300 by 10% b) Decrease 400m by 20%			
		Write one value as a fraction or percentage of another	a) Write 40 minutes as a fraction of 1 hour b) Write 1h 10 minutes as a decimal number of hours c) What percentage of 1 hour is 15 minutes?			
		Convert between fractions, decimals and percentages (simple calculations)	a) Write (i) 0.8 as a simplified fraction (ii) 22% as a simplified fraction b) Write (i) 0.09 as a percentage (ii) $\frac{1}{5}$ as a percentage c) Write (i) 23% as a fraction (ii) 12% as a decimal			
		Multiply simple decimals together (reasoning)	Work out (i) 0.8×0.3 (iii) 0.21×0.2			
		Multiply & divide decimals by an integer (non-calc)	Use written methods to work out (i) $74.8 \div 4$ (ii) 8.9×7			
2	4th	Find simple percentages of amounts (10%, 15%, 20%) (non-calculator)	Find (i) 10% of 140m (ii) 15% of 84cm (iii) 30% of 900			
		Written division and multiplication (whole numbers)	Use written methods to work out: (i) 37×4 (ii) $903 \div 7$			
		Order simple fractions, decimals and percentages	Put the following in descending order: 0.25, $\frac{3}{10}$, 14%			
		Add and subtract decimals (non-calc)	Use written methods to calculate (i) $23.46 + 9.57$ (ii) $50.01 - 17.92$			
		Order negative decimals	Put the following in ascending order: -2.32, -2.23, -2.35			
	3rd	Use rounding to estimate and check answers				
		Round numbers to a specified number of decimal places	Round 2.3467 to (i) 2dp (ii) 1dp			
		Order decimal numbers	Put the following in ascending order: 4.53, 4.5, 4.501			
	1	2nd	Find simple fractions of amounts (e.g. $\frac{1}{2}$ of , $\frac{1}{4}$ of)	What is $\frac{1}{2}$ of 300cm? What is $\frac{1}{4}$ of \$600?		
Round numbers to the nearest 1, 10, 100, 1000			Round 126.1 to the (i) nearest 10 (ii) nearest unit (iii) nearest 100			
1st		Understand place value of digits in a number	What digit is in the hundredths place in the number 3.457?			

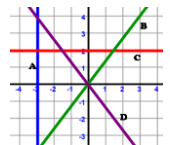
Year 7 - Spring - Ratio & proportion - Chapter 7 - NUMBER

Level		I can... / I know ...	Example	MW	RAG	
Grade	Step			Clip	Start	End
4	7th	Use measures in ratio and proportion problems (currency conversion, rates of pay, best value).	A store sells donuts at \$4.50 for a box of 6 or \$6.32 for a box of 8. Which option is better value for money?	38; 39; 41; 42; 106;		
		Use inverse proportion to solve simple problems	If it takes 15 men 9 days to build a small house. How long will it take 10 men to build the same house?			
3	6th	Write a ratio as a fraction.	a) The ratio of red: blue is 2: 3. What fraction is red? b) In a jar of marbles, there are $\frac{10}{12}$ green marbles & $\frac{2}{12}$ black marbles. What is the ratio of black to green in its simplest form?			
		Share a quantity in two or more parts in a given ratio.	a) Share \$300 in the ratio of 2 : 3 b) Share 240g in the ratio 1: 2 : 3			
	5th	Use the unitary method to solve simple word problems involving ratio and direct proportion.	7 pens cost \$2.80. How much will 10 pens cost?			
		Simplify ratios (non-integer values)	a) Simplify 5 : 7.5 b) Simplify $\frac{2}{5}$: 1			
		Simplify 3 part ratios (integer values)	a) Simplify 6 : 21 : 30 b) Simplify 50cm : 1.5m : 0.003km			
2	4th	Understand the relationship between ratio and proportion	 a) Give the ratio of yellow to purple. b) What proportion is purple (give your answer as a percentage)? c) How are ratio & proportion different? How are they the same?			
		Simplify 2 part ratios (integer values)	a) Simplify 12 : 40 b) Simplify 35mins : 1 hour			
1	2nd	Write and understand simple ratios	There are 12 girls and 17 boys in a class. Write the ratio of boys to girls.			

Year 7 - Spring - Measures & shape - Chapter 8 - GEOMETRY

Level		I can... / I know ...	Example	MW	RAG	
Grade	Step			Clip	Start	End
4	7th	Solve problems involving areas of rectangles and triangles.	How many different rectangles are there with an area of 12cm ² having whole number length and width?	4; 10; 43; 44; 52; 53; 54; 112;		
3	6th	Understand that area is a measurement of covering and is measured in square units and that perimeter is a length measured in mm, cm, m or km and apply this to solve problems	How many planes of symmetry does a cuboid have?			
		Identify reflective symmetry of 3D shapes (planes of symmetry)	Find the area of these triangles a)  b) 			
	5th	Calculate the area of a triangle $A = \frac{1}{2}bh$	Solve problems involving the area of rectangles where lengths need to be converted to different units.			
			Find the area  . Give the units			
2	4th	Recognise, describe and build simple 3D shapes, including making nets.	How many faces, edges and vertices are there on a triangular based prism? Draw the net of a cube?			
		Calculate perimeter & areas of compound shapes made from rectangles and/or squares	 Calculate the area & perimeter of this shape. Give the units.			
		Convert between metric units of length, capacity & mass.	Convert the following units a) 3m =cm b) 2.2 litres =ml c) 420g =kg			
		Calculate the perimeter of irregular polygon	Find the perimeter of these shapes a)  b) regular  c) 			
	Find the perimeter of a regular polygon with one side given					
	3rd	Calculate the area and perimeter of squares and rectangles				
1	2nd	Measure the perimeter of shapes (measure the perimeter of shape b)	 			
		Find areas by counting squares (count the area of the shape a)				


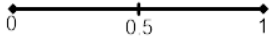
Year 7 - Summer - Sequences & graphs - Chapter 9 - ALGEBRA

Level		I can... / I know ...	Example	MW	RAG										
Grade	Step			Clip	Start	End									
6	9th	Distinguish between arithmetic and geometric sequences.	Which sequence(s) is/are geometric? a) 2, 5, 8, 11, ... b) 3, 6, 12, 24, ... c) 99, 97, 95, 93, ... d) 2, -4, 8, -16,	8; 37; 96; 102; 103; 104; 133; 141; 163;											
5	8th	Identify which terms can or cannot be in a sequence.	Which terms are not in the sequence $2n - 3$? 7 10 11 15 22												
4	7th	Find the nth (general) term rule of an arithmetic sequence	Find the nth term rule for: a) 7, 9, 11, 13, ... b) 99, 90, 81, 72, ... c) -20, -16, -12, -8, ...												
		Find the coordinates of the midpoint of a line from a given graph.	A) Draw a line to join point P(-2, 4) and Q(4,-4) and find the midpoint of the line PQ B) Complete the table for $y = 2x + 1$ and draw its graph		<table border="1"> <tr> <td>x</td> <td>-2</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>y</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	x	-2	0	1	2	y				
x	-2	0	1		2										
y															
3	6th	Construct a table of values and draw a linear graphs in form of $y=mx+c$ or for real-life problems	For the sequence $7n - 1$, find: a) the 10th term b) the 25th term												
		Substitute numbers into a nth (general) term rule to generate a sequence													
	5th	Recognise and draw graphs of $y = x$ or $y = -x$	 <p> $x = -3$ is line $y = 2$ is line $y = x$ is line $y = -x$ is line </p>												
		Recognise and draw graphs of lines parallel to the axes; $y = a$ or $x = b$													
		Find a term-to-term rule for a non-linear sequence	A) Which special sequences are these: (i) 2,3,5,8,13, ... (ii) 1,4,9,16,25, ... (iii) 1,3,6,10,15, ... B) Find the term-to-term rule for the sequences in A.												
		Recognize and know common sequences (Fibonacci sequence, Pascal's triangle, square and cube numbers, triangular numbers).													
2	4th	Find the nth (general) term rule of an arithmetic single operation sequence	Find the nth term of the sequence 4,8,12,16...												
		Substitute numbers into a nth (general) term rule of an arithmetic single-operation rule to generate a sequence	The nth term of a sequence is given by the rule $5n$ Write out the first five terms												
		Use a term-to-term rule to find a specific term in a sequence.	Use this rule to find the 10th term. Start at 3 and add 2 each time.												
		Know the definition of an arithmetic sequence	Which sequence(s) is arithmetic? a) 1, 2, 4, 8, ... b) 1, 3, 5, 7, ... c) -10, -12, -14, -16, ...												
		Draw a graph from a given table of values	-----												
	3rd	Find the term-to-term (word) rule for simple sequences	A) Fill in the blank in this sequence: a) 4, 6, __, 10, __, 14, ... b) 5, 10, 20, __, __, 160, ... B) Write the term-to-term rules for the sequences given in A.												
Find any (missing) term in an arithmetic sequence															
1	2nd	Give the next term in a single-operation linear sequence.	3,6,9,12,15,...												
		Plot and read coordinates in all four quadrants	Plot the following points on a coordinate grid: A(0, 2) B(-1, 3) C(2, -3) D(-5, -6)												

Year 7 - Summer - Transformations - Chapter 10 - GEOMETRY

Level		I can... / I know ...	Example	MW	RAG	
Grade	Step			Clip	Start	End
5	8th	Transform 2D shapes by a more complex combinations of rotations, reflections and translations, e.g. a reflection, followed by a rotation etc	<p>A triangle has vertices at (2,2), (3, 6) & (8,6). Draw the triangle on a grid & label it E</p> <p>a) Reflect E in the y-axis and label the image F. b) Translate F by 3 squares left & 6 squares down and label the image G. c) Describe the single transformation that will get from E to G</p>			
4	7th	Describe a transformation (translation, enlargement, rotation, reflection)				
		Rotate a 2D shape about any point on a coordinate grid.	<p>1) Reflect B in the line $y = -1$ 4) What is the scale factor from C to D 2) Reflect B in the line $y = x$ 5) Why are C & D not congruent? 3) Rotate B 90° clockwise centre (0,0) 4) Rotate B 90° anticlockwise, centre (</p>			
3	6th	Reflect shapes on a mirror line such as $y = x$; $y = -x$.				
		Find the scale factor of enlargement where the scale factor is a positive whole number.				
	5th	Rotate shapes about (0,0) given an angle of 90° , 180° or 270° and direction of turn.				
		Reflect a 2D shape in a mirror line described by its equation $x=a$ or $y=b$				
		Know and understand the term 'congruent'.				
2	4th	Enlarge a given shape using a whole number scale factor (without a centre of enlargement).	<p>a) Translate A by 3 units right and 2 down b) Reflect A in the x-axis</p> <p>c) Draw the mirror line for the reflection above d) Enlarge shape D by scale factor 2</p>			
		Reflect shapes in the x or y axes or a given mirror line on a coordinate grid.				
	3rd	Draw the mirror line given a shape & its image.				
1	2nd	Translate a shape on a square/coordinate grid (word instruction)				

Year 7 - Summer - Probability - Chapter 11 - STATISTICS

Level		I can... / I know ...	Example	MW	RAG																							
Grade	Step			Clip	Start	End																						
3	6th	Calculate theoretical probabilities of two independent events using sample spaces	<p>A coin and die are thrown. a) Complete the sample space diagram</p> <table border="1" style="display: inline-table; margin-right: 10px;"> <tr><td colspan="6" style="text-align: center;">Die</td></tr> <tr><td style="text-align: center;">1,H</td><td style="text-align: center;">2,H</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">Coin</td><td></td><td></td><td></td><td></td><td style="text-align: center;">6,T</td></tr> </table> <p>b) Find P(T & odd number)</p>	Die						1,H	2,H					Coin					6,T	14; 58; 59; 61; 126;						
		Die																										
	1,H	2,H																										
	Coin					6,T																						
	Find the theoretical probability of an event happening.	There are 3 green balls, 5 red balls & 4 black balls. When a single ball is chosen at random, find the probability of getting a red ball.																										
5th	Work out probabilities from two-way tables.	<p>The table shows information about the eye colour of Year 8 students.</p> <table border="1" style="display: inline-table; margin-right: 10px;"> <thead> <tr> <th></th> <th>Blue</th> <th>Brown</th> <th>Green</th> <th>Hazel</th> <th>Total</th> </tr> </thead> <tbody> <tr> <th>Girls</th> <td>20</td> <td>32</td> <td>7</td> <td>25</td> <td>84</td> </tr> <tr> <th>Boys</th> <td>17</td> <td>29</td> <td>6</td> <td>24</td> <td>76</td> </tr> <tr> <th>Total</th> <td>37</td> <td>61</td> <td>13</td> <td>49</td> <td>160</td> </tr> </tbody> </table> <p>A student is picked at random.</p> <p>a) What is the probability that the student is</p> <ul style="list-style-type: none"> i a girl with green eyes ii a boy with blue eyes? 		Blue	Brown	Green	Hazel	Total	Girls	20	32	7	25	84	Boys	17	29	6	24	76	Total	37	61	13	49	160		
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Write probabilities in fractions, decimals and percentages	The probability of getting a black marble is 0.22. Write this probability as a fraction and as a percentage?																											
Know that if the probability of an event is p , the probability of it not occurring is $1 - p$	The probability of getting a red marble is 0.45. What is the probability of not getting a red marble?																											
2	4th	Understand that the probability scales runs from 0 to 1	Bob says the probability of getting a blue card is 1.32. Why is he wrong?																									
	3rd	List the outcomes of a single event	 <p>List the outcomes of using this spinner.</p>																									
		Mark events and/or probabilities on a probability scale of 0 to 1.	<p>Put the events in step 2 below on the probability scale</p> 																									
1	2nd	Understand basic description terms used in probability such as 'certain', 'impossible', 'likely', 'fair', 'biased'	Describe the probability of these events happening: a) It raining in Egypt tomorrow b) Snow in Antarctica c) Rolling an odd number on an ordinary die																									