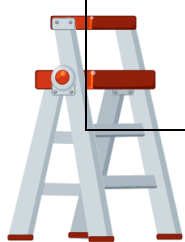

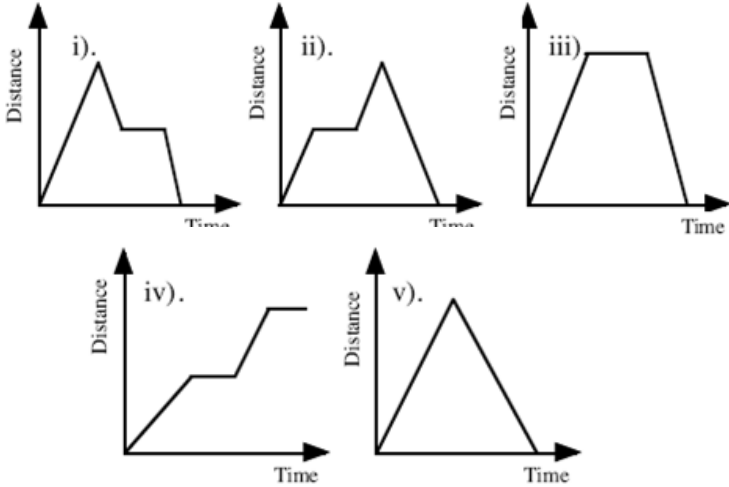


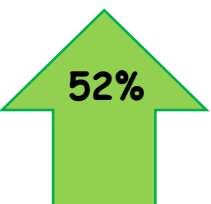
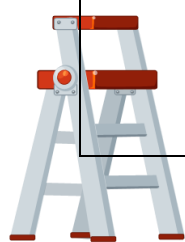

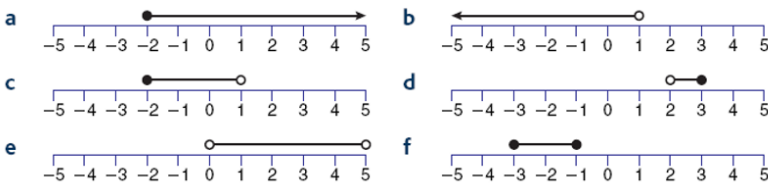
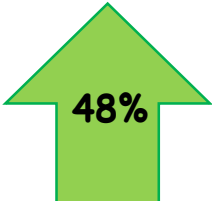



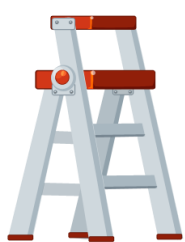
Percentage	I can ...	Prove it!																																																																																				
<p>90%</p>	Solve quadratic simultaneous equations	<p>Solve the pair of simultaneous equations below:</p> <p>a $x^2 + y^2 = 25$ $x + y = 7$</p> <p>b $x^2 + y^2 = 9$ $y = x + 3$</p> <p>c $x^2 + y^2 = 13$ $5y + x = 13$</p> <p>Which graph represents the solution to the pair of equations below? $y = x + 3$ and $y = 5x - 5$</p>																																																																																				
<p>80%</p>	Solve Simultaneous equations	<p>1. Find the value of x and y in each of these isosceles triangles:</p> <p>a) </p> <p>b) </p>																																																																																				
<p>76%</p>	Solve quadratic equations graphically	<p>Find the two solutions to the quadratic below by plotting the graph:</p> $y = x^2 - 3x - 4$ <table border="1"> <tr> <td>x</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>$y = x^2 - 3x - 4$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	x	-2	-1	0	1	2	3	4	5	$y = x^2 - 3x - 4$																																																																										
x	-2	-1	0	1	2	3	4	5																																																																														
$y = x^2 - 3x - 4$																																																																																						
<p>72%</p>	14.1 I can draw quadratic graphs	<p>For each of the quadratics below, fill in the table and plot the graph:</p> <p>$y = x^2 - 4$</p> <table border="1"> <tr> <td>x</td> <td>-5</td> <td>-4</td> <td>-3</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>x^2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>$y = x^2 - 4$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>$y = 2x^2 - 9$</p> <table border="1"> <tr> <td>x</td> <td>-5</td> <td>-4</td> <td>-3</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>x^2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>$2x^2$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>$y = 2x^2 - 9$</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	x	-5	-4	-3	-2	-1	0	1	2	3	4	5	x^2												$y = x^2 - 4$												x	-5	-4	-3	-2	-1	0	1	2	3	4	5	x^2												$2x^2$												$y = 2x^2 - 9$											
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<p>68%</p>	13.2 I can solve simultaneous equations graphically	<p>Sketch each pair of simultaneous equations on the same axes and use this sketch to work out x and y.</p> <ol style="list-style-type: none"> $y = 2x$ and $y = \frac{1}{2}x + 4$ $y = \frac{1}{4}x - 1$ and $y = 3x - 5$ $y = \frac{3}{2}x - 2$ and $y = \frac{2}{3}x - 1$ 																																																																																				
<p>64%</p>	13.1 I can form simultaneous equations	<p>Create a pair of simultaneous equations for each of the problems below, can you solve any of them?</p> <ol style="list-style-type: none"> Two numbers p and q have a sum of 27 and a difference of 9. A pen costs p pence and a ruler r pence. Together they cost 66 pence and the pen cost 6 pence more than the ruler. A newspaper costs n pence and a magazine costs m pence. Together they cost 76 pence and the magazine costs 18 pence more than the newspaper. 																																																																																				



Percentage	I can ...	Prove it!
	<p>14.1 I can recognise real life graphs</p>	<p>1. Mr Holmes jogs from his house to the supermarket and back on five different occasions. The graphs below describe the distance that he jogs.</p>  <p>a. Match each graph with the statement below which best describes it.</p> <ol style="list-style-type: none"> Mr Holmes runs at a constant speed to the supermarket and back without stopping Mr Holmes runs at a constant speed to the supermarket but half way back has a rest Mr Holmes runs at a constant speed to the supermarket, does his shopping and runs back at a constant speed Mr Holmes runs to the supermarket, has a rest on the way there and then stays at the supermarket for the rest of the day. One of the graphs was not described - which one? 
	<p>12.3 I can rearrange linear equations</p>	<p>Change the following formulae to make b the subject.</p> <ol style="list-style-type: none"> $a = b + c$ $a = c - b$ $a = bc$ $a = b^2$ $a = b^2 + c$ $a = \frac{b-c}{d}$ $a = b^2c + d$ $a = d - b^2c$ $a = b(c - d)$ $a = c - b^2$ $a = d - cb^2$ $a = \frac{c-d}{b}$
	<p>12.6 I can solve problems involving inequalities</p>	<p>Solve the inequalities below:</p> <ol style="list-style-type: none"> $x + 9 > 11$ $x - 9 > 11$ $2x + 8 > 10$ $3x - 9 < -3$ $2(x + 5) < 24$ <p>Create an inequality statement for the problems below and solve:</p> <ol style="list-style-type: none"> The sum of two consecutive even integers is between 74 and 178. What are the possible values for the set of integers? One hundred thirty-one more than seven times a number is less than eight times the number. What numbers satisfy this inequality?



Percentage	I can ...	Prove it!
 50%	12.5 I can represent inequalities on a number line	What inequalities do the diagrams below represent? 
 48%	12.4 I can use correct notation for inequalities	Write a sentence to explain what each of inequalities below represent: $t > 4$ $t < 4$ $t \geq 4$ $t \leq 4$ $4 < t$ $4 \leq t < 6$
 44%	12.1 I can solve linear equations with unknowns on both sides	Expand the brackets and solve the equations to find the value of a: a) $6(3a + 1) = 3(4a + 2)$ b) $10(3a - 4) = 5(6 - a)$ c) $3(2a + 6) = 2(7a - 3)$ d) $3(a - 6) = 2(5 - 2a)$ e) $3(4a + 6) = 6(3a + 2)$ f) $3(6 - h) = 3(2h + 13)$



Percentage	I can ...	Prove it!
	12.1 I can solve linear equations with unknowns on both sides	Solve the equations to find a 1. $6a + 2 = 3a + 5$ 2. $8a + 12 = 3a + 57$ 3. $5a - 5 = 2a + 4$ 4. $4a + 3 = 5a - 4$ 5. $12a + 19 = 13a - 15$ 6. $5a + 3 = 15 - a$ 7. $4a - 3 = 12 - a$ 8. $20 - 2a = 7a + 2$ 9. $3 - 8a = 2a - 7$ 10. $13 - a = 2a + 4$
	12.1 I can solve linear equations with one unknown	Solve the equations to find x a) $2x + 7 = 19$ b) $3x - 8 = 10$ c) $10x - 9 = 91$ d) $2.5x + 7 = 12$ e) $\frac{x}{9} + 10 = 14$ f) $\frac{10}{x} + 6 = 8$
	12.1 I can solve linear equations with one unknown	Solve the equations to find the unknown letter: 1. $a + 3 = 7$ 2. $c - 9 = 5$ 3. $x + 5 = 14$ 4. $\frac{b}{3} = 7$ 5. $6a = 36$

				= 28
				= ?
				= ?
				= 24
= 25	= 40	= ?	= ?	

Key Words:

- Solve
- Unknown
- Quadratic
- Simultaneous
- Solution
- Expand
- Rearrange
- Subject
- Inequality
- Graph
- Number line

+ = 105

+ = 51

