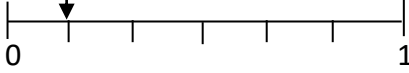
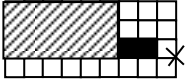
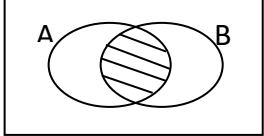

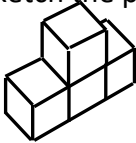
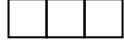
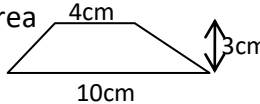
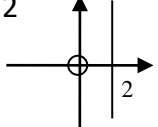

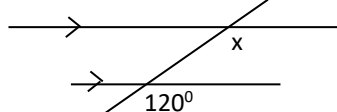


Maths Key Skills

Name: Date:

Stage 7: Skill Check 1 - Answers

Class/Group:

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Statistics & Probability																
1. Insert one of these symbols in the box. = < > ≤ ≥	^{7:1} -2 < 2	11. Reduce to its lowest form: 24 : 16	^{7:15} 3:2	21. Indicate the position of the probability of rolling a '2' on a dice.	^{7:27}															
2. Which is bigger? 0.3 or 30%	^{7:2} Same	12. Divide £24 in a ratio of 3:1 Give the answer as a ratio.	^{7:16} £18:£6																	
3. Give the LCM of 6 and 8.	^{7:3} 24	13. Write 15 as a fraction of 60.	^{7:17} 1/4	22. Shade set A ∩ B	^{7:28}															
4. Insert one of these symbols in the box: = ≠ < > ≤ ≥	^{7:4} $2^3 \square \sqrt{64}$	14. Enlarge the rectangle sf 3, centre X. 	^{7:19}																	
5. Work out & simplify: $\frac{3}{8} \times \frac{4}{5}$	^{7:6} $\frac{12}{40} = \frac{3}{10}$	15. Mark parallel and perpendicular lines. 	^{7:20}	23. 60 pupils were asked to name their favourite colour. These are the results:	^{360° ÷ 60 = 6°}															
6. Work out: $3^2 \times (4 + 2)$	^{7:7} 9x6=54	16. Sketch the plan view of this shape. 	^{7:21} 	<table border="1" data-bbox="1601 718 1859 917"> <tr><td>Red</td><td>18</td></tr> <tr><td>Black</td><td>15</td></tr> <tr><td>Green</td><td>12</td></tr> <tr><td>Blue</td><td>12</td></tr> <tr><td>Yellow</td><td>3</td></tr> </table>	Red	18	Black	15	Green	12	Blue	12	Yellow	3	15x6° = 90°					
Red	18																			
Black	15																			
Green	12																			
Blue	12																			
Yellow	3																			
7. Expand & simplify: $3(2x - 1) + 2(x + 5)$	^{7:10} $6x - 3 + 2x + 10$ 8x+7	17. Work out the area of this trapezium. 	^{7:22} 21cm²	If the data was represented in a pie chart, what size angle would be 'Black'?																
8. Evaluate: $2a - 5$ when $a = -3$	^{7:11} -6-5 = -11	18. Give the number of edges, vertices and faces in the triangular prism.	^{7:23} E=9 V=6 F=5	24. Work out the median score: 10, 13, 4, 20, 3, 11, 16	^{7:30} 11															
9. Draw the graph of $x = 2$ on the grid. 	^{7:12}	19. Work out the surface area of this 3cm cube. 	^{7:24} 54cm²	25. Work out the mean shoe size:	^{7:30}															
10. Solve: $2x - 6 = 8$	^{7:13} $2x = 14$ x=7	20. Work out the missing angle 'x'. 	^{7:25} 120°	<table border="1" data-bbox="1512 1181 1948 1364"> <tr><th>Shoe size</th><th>Frequency</th><th>fx</th></tr> <tr><td>3</td><td>6</td><td>6x3=18</td></tr> <tr><td>4</td><td>3</td><td>3x4=12</td></tr> <tr><td>5</td><td>1</td><td>1x5=5</td></tr> <tr><td colspan="2">$\Sigma f = 10$</td><td>$\Sigma fx = 35$</td></tr> </table>	Shoe size	Frequency	fx	3	6	6x3=18	4	3	3x4=12	5	1	1x5=5	$\Sigma f = 10$		$\Sigma fx = 35$	35 ÷ 10 = 3.5
Shoe size	Frequency	fx																		
3	6	6x3=18																		
4	3	3x4=12																		
5	1	1x5=5																		
$\Sigma f = 10$		$\Sigma fx = 35$																		
Total (A)		Total (B)		Total (C)																
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)																

