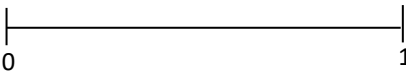
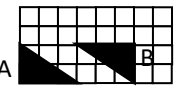
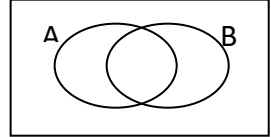

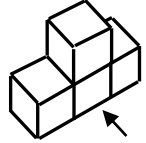
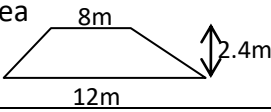
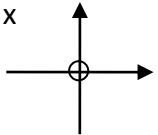

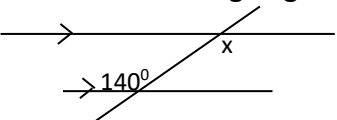


Maths Key Skills

Name: Date:

Stage 7: Skill Check 3

Class/Group:

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Statistics & Probability																			
1. Insert one of these symbols in the box: = < > ≤ ≥	7:1 -3 <input type="checkbox"/> -5	11. Reduce to its lowest form: 18 : 12	7:15	21. Use the scale to indicate the probability of rolling a '2 or more' on a dice.	7:27																		
2. Which is bigger? 30% or $\frac{30}{50}$	7:2	12. Divide £40 in a ratio of 3:2 Give the answer as a ratio.	7:16		X																		
3. Give the HCF of 12 and 30.	7:3	13. Express £4 as a percentage of £25.	7:17	22. Shade the set B'																			
4. Insert one of these symbols in the box: = < > ≤ ≥	7:4 $\sqrt[3]{8}$ <input type="checkbox"/> $\sqrt{4}$	16. Describe the transformation A to B. 	7:19																				
5. Work out & simplify: $1\frac{1}{2} \times \frac{2}{5}$	7:6	15. Place an arc at $\angle CAB$. 	7:20	23. 90 pupils were asked to name their favourite pet. To draw a pie chart complete the table:	7:29																		
6. Work out: $(3 + 2) \times 6 - 8$	7:7	16. Draw the front elevation. 	7:21	<table border="1" data-bbox="1545 702 1915 949"> <thead> <tr> <th></th> <th>f</th> <th>angle</th> </tr> </thead> <tbody> <tr> <td>Dog</td> <td>48</td> <td>192⁰</td> </tr> <tr> <td>Cat</td> <td>25</td> <td>100⁰</td> </tr> <tr> <td>Horse</td> <td>2</td> <td></td> </tr> <tr> <td>Fish</td> <td></td> <td>28⁰</td> </tr> <tr> <td>Rabbit</td> <td>8</td> <td></td> </tr> </tbody> </table>		f	angle	Dog	48	192 ⁰	Cat	25	100 ⁰	Horse	2		Fish		28 ⁰	Rabbit	8		X
	f	angle																					
Dog	48	192 ⁰																					
Cat	25	100 ⁰																					
Horse	2																						
Fish		28 ⁰																					
Rabbit	8																						
7. Expand & simplify: $3(x + 2) - 2(x - 1)$	7:10	17. Work out the area of this trapezium. 	7:22																				
8. Evaluate: $8 - 2a$ when $a = -1$	7:11	18. Give the number of edges, vertices and faces in a square based pyramid.	7:23 E= V= F=	24. Work out the modal score: 5, 5, 7, 1, 13, 9	7:30																		
9. Draw the graph of $y = x$ on the grid. 	7:12	19. Work out the volume of this 4cm cube. 	7:24	25. Work out the mean score. <table border="1" data-bbox="1579 1141 1881 1428"> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>2</td> </tr> <tr> <td>7</td> <td>3</td> </tr> <tr> <td>8</td> <td>7</td> </tr> <tr> <td>9</td> <td>7</td> </tr> <tr> <td>10</td> <td>1</td> </tr> </tbody> </table>	Score	Frequency	6	2	7	3	8	7	9	7	10	1	7:30						
Score	Frequency																						
6	2																						
7	3																						
8	7																						
9	7																						
10	1																						
10. Solve: $2x + 6 = 4$	7:13	20. Work out the missing angle 'x'. 	7:25																				
Total (A)		Total (B)		Total (C)																			
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)																			