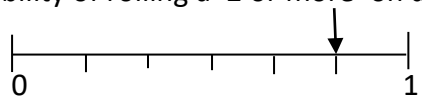
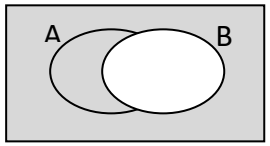
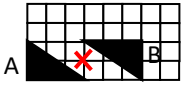
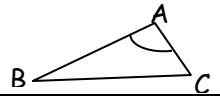
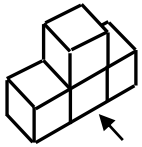
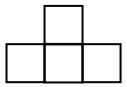
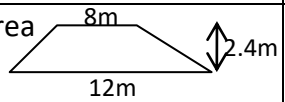
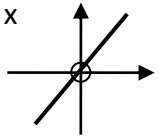
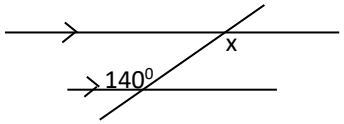
Maths Key Skills **Stage 7: Skill Check 3 - Answers** Name: ..... Date: ..... Class/Group: .....

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Statistics & Probability	
1. Insert one of these symbols in the box: = < > ≤ ≥	*7:1* **-3 > -5**	11. Reduce to its lowest form: 18 : 12	*7:15* **3:2**	21. Indicate the position of the probability of rolling a '2 or more' on a dice. 	*7:27*
2. Which is bigger? 30% or $\frac{30}{50}$	*7:2* $\frac{30}{50}$	12. Divide £40 in a ratio of 3:2 Give the answer as a ratio.	*7:16* **£24:£16**		
3. Give the HCF of 12 and 30.	*7:3* **6**	13. Express £4 as a percentage of £25.	*7:17* **16%**	22. Shade the set B' 	*7:28*
4. Insert one of these symbols in the box: = < > ≤ ≥	*7:4* $\sqrt[3]{8} = \sqrt{4}$	14. Describe the transformation A to B. 	*7:19* **Rotation 180⁰ about X**		
5. Work out & simplify : $1\frac{1}{2} \times \frac{2}{5}$	*7:6* $\frac{3}{5}$	15. Place an arc at ∠ 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) x 6 - 8	*7:7* 30-8 **=22**	16. Draw the front elevation. 	*7:21* 		
7. Expand & simplify: 3(x + 2) - 2(x - 1)	*7:10* 3x+6-2x+2 **x+8**	17. Work out the area of this trapezium. 	*7:22* **24m²**		
8. Evaluate: 8 – 2a when a = -1	*7:11* **8+2=10**	18. Give the number of edges, vertices and faces in a square based pyramid.	*7:23* E=8 V=5 F=5	24. Work out the modal score: 5, 5, 7, 1, 13, 9	*7:30* **5**
9. Draw the graph of y = x on the grid. 	*7:12*	19. Work out the volume of this 4cm cube.	*7:24* **64cm³**	25.Work out the mean score.	*7:30* **162÷20 =8.1**
10. Solve: 2x + 6 = 4	*7:13* 2x=-2 **x=-1**	20. Work out the missing angle 'x'. 	*7:25* **140⁰**		

	f	angle
Dog	48	192⁰
Cat	25	100⁰
Horse	2	**8⁰**
Fish	**7**	28⁰
Rabbit	8	**32⁰**

Score	Frequency	fx
6	2	6x2=12
7	3	7x3=21
8	7	8x7=56
9	7	9x7=63
10	1	10x1=10

Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	