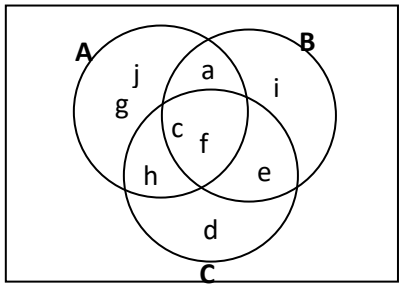
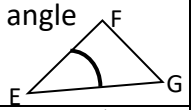
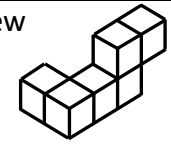
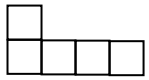
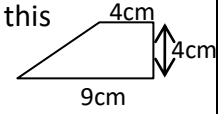
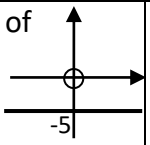
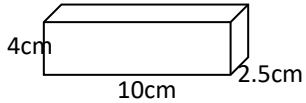
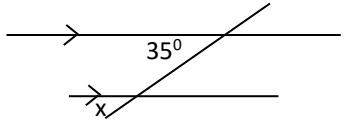
Maths Key Skills **Stage 7: Skill Check 13 - Answers**

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* 0.7 > 0.072	11. Reduce to its lowest form: 1hour : 45min	*7:15* **60:45** **4:3**	21. Give the probability of getting a consonant from the word 'median'.	*7:27* $\frac{3}{6} = \frac{1}{2}$
2. Which is bigger? 0.072 or 70%	*7:2* **70%**	12. Divide £54 between A & B in a ratio of 1:5.	*7:16* **A- £9** **B- £45**		
3. Give the LCM of 40 and 50.	*7:3* **200**	13. Express £30 as a percentage of £50.	*7:17* **60%**	22. List the elements of A ∩ C 	*7:28* {c,f,h}
4. Insert one of these symbols in the box : = < > ≤ ≥	*7:4* $\sqrt{169} = 2^2+3^2$	14. Reflect the shape in the line	*7:19*		
5. Work out & simplify : $1\frac{4}{5} \div \frac{2}{3}$	*7:6* $\frac{27}{10} = 2\frac{7}{10}$	15. Describe the marked angle using 3 letters. 	*7:20* **∠FEG or ∠GEF**		
6. Add a bracket to make this sum correct: **(6 - 2^2) x 7 = 14**	*7:7*	16. Sketch the plan view 	*7:21* 	23. In the last Winter Olympics Netherlands won the medals:	*7:29*
7. Expand & simplify: 3(x - 3) - (x - 4)	*7:10* 3x-9-x+4 **=2x - 5**	17. What is the area of this trapezium? 	*7:22* ½ (4+9).4 **26cm²**		
8. Evaluate: 3p + 4q when p= 5, q = -2	*7:11* **15-8=7**	18. Name this solid.	*7:23* **cone**	24. Work out the **range** of the scores: 1, 3, 6, 14, 15, 16	*7:30* **16-1=15**
9. Give the equation of this graph. 	*7:12* **y = -5**	19. Work out the volume of this cuboid. 	*7:24* **100cm³**	25.Work out the **modal** score.	*7:30* **2**
10. Solve: 2y – 1 = 10	*7:13* 2y=11 **y = 5.5**	20. x=125°. Give the reason. 	*7:25* **Corresponding angles are equal**		

Medals	f	angle
Gold	8	120^0
Silver	**7**	105
Bronze	9	**135**

Complete the table.

Score	Frequency
1	7
2	8
3	5

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