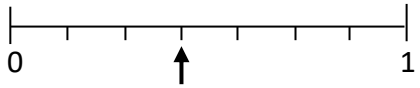
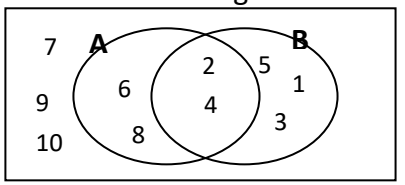
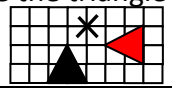
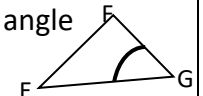
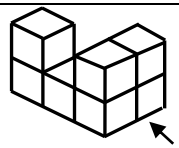
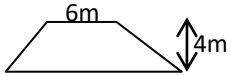
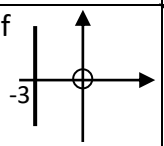
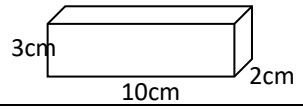
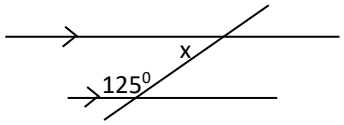
Maths Key Skills **Stage 7: Skill Check 12 - Answers**

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* -6 < -5	11. Reduce to its lowest form: 1.5litres : 900ml	*7:15* **1500:900 5:3**	21. Indicate the position of the probability of choosing a GIRL from a class of 3 girls and 4 boys. 	*7:27*
2. Which is bigger? $\frac{3}{5}$ or 35%	*7:2* $\frac{3}{5}$	12. Divide £48 between A & B in a ratio of 5:3	*7:16* A-**£30** B- **£18**		
3. Give the HCF of 33 and 55.	*7:3* **11**	13. Express £4 as a percentage of £100.	*7:17* **4%**	22. Universal set={1,2,3,4,5,6,7,8,9,10} Set A = {2,4,6,8} Set B = {1,2,3,4,5} Complete the Venn diagram 	*7:28*
4. Insert one of these symbols in the box: = < > ≤ ≥	*7:4* 5^3 > 11^2	14. Rotate the triangle 90^0 acw about X. 	*7:19*		
5. Work out & simplify : $\frac{7}{8} \div 2\frac{2}{3}$	*7:6* $\frac{21}{64}$	15. Describe the marked angle using 3 letters. 	*7:20* **∠FGE(EGF)**		
6. Add a bracket to make this sum correct: **$10 - (2 + 2^2) = 4$**	*7:7*	16. Sketch the side view 	*7:21* 	23. In the last Winter Olympics Netherlands won the medals:	*7:29* $360^0 \div 24 = 15^0$
7. Expand & simplify: 2(x + 5) - (x + 4)	*7:10* 2x+10 – x– 4 **=x + 6**	17. The area of this trapezium is $40m^2$. Work out LENGTH? 	*7:22* **14m**		**$7x15^0$** **$=105^0$**
8. Evaluate: $2a^2 - ab$ when a= 4, b = -3	*7:11* 32+12 **=44**	18. Name this solid. 	*7:23* **sphere**	24. Work out the **median** of the scores: 1, 3, 6, 14, 15, 16	*7:30* **10**
9. Draw the graph of x = -3 	*7:12*	19. Work out the volume of this cuboid . 	*7:24* **$60cm^3$**	25. Summary of Jayne's and Michael's last 10 scores in Science	*7:30* **Jayne**
10. Solve: 4(x + 2) = 6	*7:13* **4x+8=6** **4x=-2** **x=- ½**	20. x=55^0. Give the reason. 	*7:25* **Co-interior angles add up to 180^0**	Who had the best performance over the 10 tests?	**Lower range – more consistent**

	Gold	8
	Silver	7
	Bronze	9

If the data was represented in a pie chart, what size angle would be 'Silver?

	Jayne	Michael
Mean	72	72
Range	12	18

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