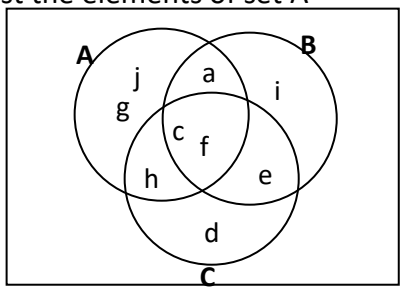
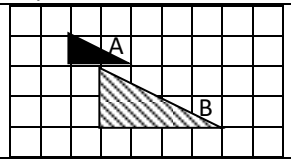
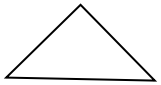
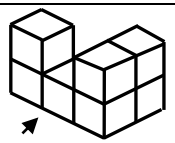
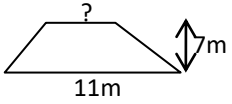
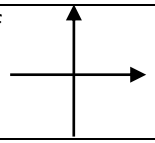
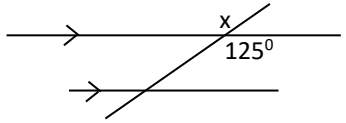
Maths Key Skills **Stage 7: Skill Check 11**

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* $0.9 \square \frac{9}{100}$	11. Reduce to its lowest form: 1.5litres : 2litres	*7:15*	21. Give the probability of getting a letter **'e'** from the word 'isosceles'.	*7:27*
2. Which is bigger? $\frac{7}{10}$ or 7%	*7:2*	12. Divide £150 between A & B in a ratio of 5:1.	*7:16* A-..... B-	22. List the elements of set A' 	*7:28*
3. Give the HCF of 24 and 18.	*7:3*	13. Express £4 as a fraction of £100. (in simplest form)	*7:17*		
4. Insert one of these symbols in the box: = < > ≤ ≥	*7:4* $\sqrt[3]{1000} \square 10^2$	14. Describe the transformation A to B 	*7:19*		
5. Work out & simplify : $\frac{7}{8} \times 2\frac{2}{3}$	*7:6*	15. Mark the right angle on this triangle. 	*7:20*	23. In the last Winter Olympics Netherlands won the medals:	*7:29*
6. Work out: $3^2 \times 2 - (8 + 5)$	*7:7*	16. Sketch the front elevation 	*7:21*		
7. Expand & simplify: $x(x + 8) - x(x + 5)$	*7:10*	17. The area of this trapezium is $56m^2$. Work out LENGTH? 	*7:22*		
8. Evaluate: $2a^2 + ab$ when a= 4, b = -3	*7:11*	18. Name this solid.	*7:23*	24. Work out the **median** of the scores: 1, 3, 6, 11, 11, 12	*7:30*
9. Draw the graph of y = -1 	*7:12*	19. The volume of this cube is $8cm^3$. What is the length of each edge?	*7:24*	25.Work out the **mean** score.	*7:30*
10. Solve: $2(2x - 5) = 0$	*7:13*	20. $x = 125^0$. Give the reason. 	*7:25*		
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	

Gold	8
Silver	7
Bronze	9

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

Score	Frequency
8	3
9	6
10	1