

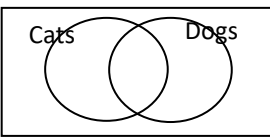
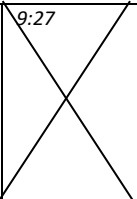
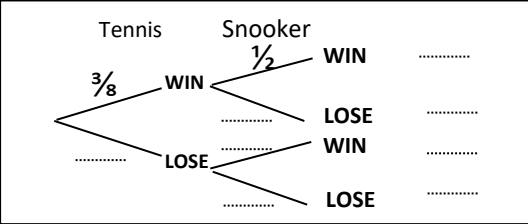
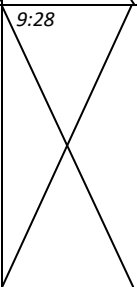
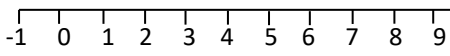
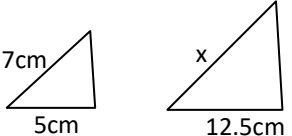
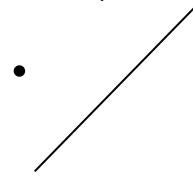
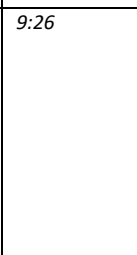
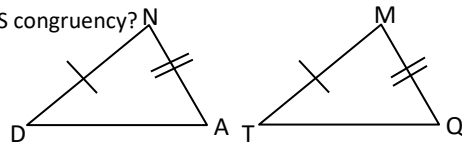
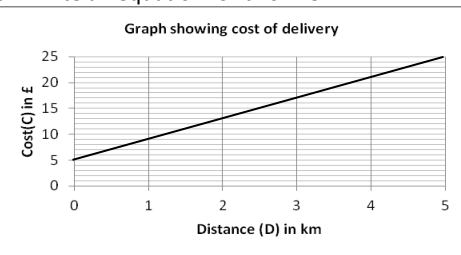
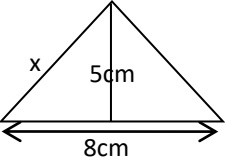
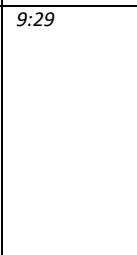
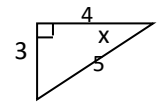
# Maths Key Skills

Name: .....

Date: .....

# Stage 9: Skill Check 11

Class/Group: .....

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Geometry & Measure, Statistics & Probability							
1. Write $0.25 \times 10^7$ in standard form	9:1	11. Work out the <b>interest</b> on £70 over 4 years at 3% simple interest	9:13	21. <b>25 pupils</b> in a class 11 have a dog 16 have a cat 5 have neither Complete the Venn diagram	9:27						
2. Write $0.5 \times 10^{-3}$ in standard form	9:1	12. An increase of 22% raises the rent to £61. What was the original rent?	9:14								
3. 3.75m has been rounded to nearest cm Express the limits in the form $a < x \leq b$	9:2 $\leq x <$	13. Volume $5\text{m}^3$ Mass 44800kg What is the Density?	9:15								
4. Factorise: $x^2 - 7x + 12$	9:4	14. Which is correct? - Circle A is proportional to B A is inversely proportional to B	9:16	22. Fran plays a game of tennis & a game of snooker.	9:28						
5. If $-1 \leq x \leq 6$ , show the solution for $x$ on the number line	9:5	15. The two shapes are similar. Find $x$	9:17								
											
6. Make 'x' the subject of the equation $t = \frac{x - y}{w}$	9:6	16. Work out the AREA of the semi-circle (to 3sf)	9:18	23. From the Venn diagram, work out the probability of choosing a person at random who has both a cat and a dog.	9:28						
7. Solve the equation: $\frac{y+2}{3} - \frac{y+1}{4} = 2$	9:7	17. Work out the <b>curved</b> surface area of a cylinder with $r=7\text{m}$ & $h=4\text{m}$ (3sf)	9:20	24. Sketch a line to show the shortest possible distance from the point to the line	9:26						
8. Write down the equation of a line parallel to $2y - 4x = 13$	9:8	18. What additional information is needed for SSS congruency?	9:21								
											
9. Write an equation for this line	9:9	19. Work out length 'x' (to 1dp)	9:22	25. A survey is to be carried out on a sample of a company's staff. How should the sample of people to do the survey be decided? Here is the make-up of the company.	9:29						
				<table border="1" data-bbox="1411 1165 1792 1268"> <tr> <td>Office staff</td> <td>48</td> </tr> <tr> <td>Shop floor staff</td> <td>326</td> </tr> <tr> <td>Canteen staff</td> <td>24</td> </tr> </table>	Office staff	48	Shop floor staff	326	Canteen staff	24	
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10. Evaluate $y^3 - 3y$ when $y = 4$	9:12	20. Complete the sentence $\tan x = \frac{\quad}{\quad}$	9:23	..... ..... ..... .....							
											
Total (A)		Total (B)									
Test Total (A+B+C)		R (0-9)		Y (10-19)	G (20-25)						