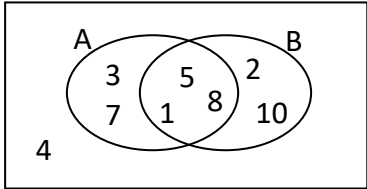
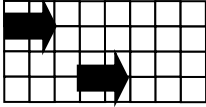
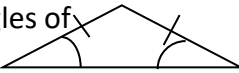
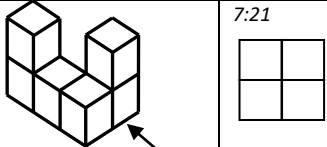
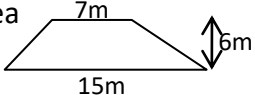
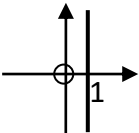
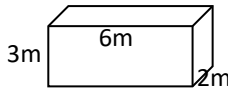
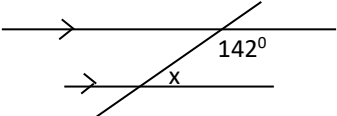


Maths Key Skills

Name: Date:

Stage 7: Skill Check 6 - Answers

Class/Group:

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Statistics & Probability												
1. Insert one of these symbols in the box: = < > ≤ ≥	7:1 $0.\dot{3} = \frac{1}{3}$	11. Reduce to its lowest form: £1.50 : 50p	7:15 3:1	21. Write down the probability of getting a CLUB from a pack of cards.	7:27 13/52											
2. Which is bigger? 0.08 or 80%	7:2 80%	12. Divide 77 sweets in a ratio of 4:3 Give the answer as a ratio.	7:16 44:33	22. List the elements of $A \cup B$	7:28 {1,2,3,5,7,8,10}											
3. Give the LCM of 16 and 24.	7:3 48	13. Express £30 as a fraction of £20.	7:17 $1\frac{1}{2}$													
4. Insert one of these symbols in the box: = < > ≤ ≥	7:4 $3^3 > 5^2$	14. Translate the shape 	7:19													
5. Work out & simplify: $\frac{3}{5} \div 1\frac{1}{2}$	7:6 $\frac{6}{15}$ or $\frac{2}{5}$	15. Use standard convention to show the equal sides & angles of this isosceles triangle 	7:20	23. 36 pupils were asked to name their favourite subject. The results are:	7:29											
6. Work out: $(2^2 + 3) + 4 \times 5$	7:7 7+20=27	16. Sketch the side view. 	7:21	<table border="1" data-bbox="1599 703 1861 868"> <tr><td>Science</td><td>4</td></tr> <tr><td>Maths</td><td>15</td></tr> <tr><td>English</td><td>12</td></tr> <tr><td>French</td><td>5</td></tr> </table>	Science	4	Maths	15	English	12	French	5	$360^\circ \div 36 = 10^\circ$ $5 \times 10^\circ = 50^\circ$			
Science	4															
Maths	15															
English	12															
French	5															
7. Expand & simplify: $2(2x + 3) - 5$	7:10 $4x + 1$	17. Work out the area of this trapezium. 	7:22 $66m^2$	If the data was represented in a pie chart, what size angle would be 'French'?												
8. Evaluate: $a^2 - b$ when $a=4, b=-3$	7:11 19	18. Give the number of edges, vertices and faces in a cylinder.	7:23 E=2 V=0 F=3	24. Work out the range of scores from the table below.	7:30 $10-6=4$											
9. Give the equation of the graph. 	7:12 $x=1$	19. Work out the surface area of this cuboid. 	7:24 $2(18+12+6)$ $72m^2$	25. Work out the modal score.	7:30 9											
10. Solve: $3(x - 3) = 6$	7:13 $3x-9=6$ $3x=15$ $x=5$	20. $x=38^\circ$. Give the reason. 	7:25 Co-interior angles add up to 180°	<table border="1" data-bbox="1581 1177 1877 1394"> <tr><th>Score</th><th>Frequency</th></tr> <tr><td>6</td><td>2</td></tr> <tr><td>7</td><td>3</td></tr> <tr><td>8</td><td>6</td></tr> <tr><td>9</td><td>7</td></tr> <tr><td>10</td><td>1</td></tr> </table>	Score	Frequency	6	2	7	3	8	6	9	7	10	1
Score	Frequency															
6	2															
7	3															
8	6															
9	7															
10	1															
Total (A)		Total (B)		Total (C)												
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)												

