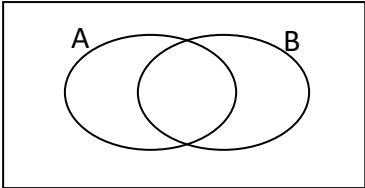
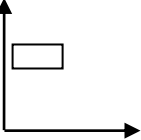

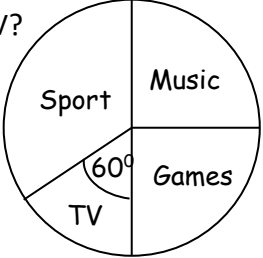
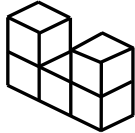
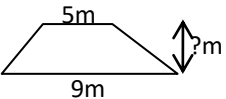
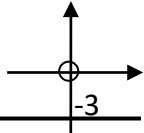

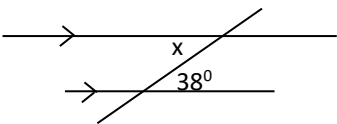


Maths Key Skills

Name: Date:

Stage 7: Skill Check 7

Class/Group:

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Statistics & Probability													
1. Insert one of these symbols in the box: = < > ≤ ≥	7:1 0.3 <input type="checkbox"/> 0.25	11. Reduce to its lowest form: 2cm : 32mm	7:15	21. Write down the probability of getting a factor of 6 on a dice.	7:27												
2. Which is bigger? 0.07 or 70%	7:2	12. Divide 96 sweets in a ratio of 3:5 Give the answer as a ratio.	7:16	22. Set A = {1,2,3,4,6,12} Set B = {3,6,9,12} Complete the Venn diagram 	7:28												
3. Give the HCF of 16 and 24.	7:3	13. Express £30 as a percentage of £20.	7:17														
4. Insert one of these symbols in the box: = < > ≤ ≥	7:4 $\sqrt[3]{64}$ <input type="checkbox"/> 3^2	14. Reflect the rectangle in y=x. 	7:19														
5. Work out & simplify: $1\frac{2}{3} \times 1\frac{1}{4}$	7:6	15. Use standard convention to show the equal sides & angles of this equilateral triangle. 	7:20	23. 72 students were asked for their favourite leisure activity. The results are shown in the pie chart. How many said TV? 	7:29												
6. Work out: $5 + 3^2 - 6 \times 4$	7:7	16. Sketch the plan view. 	7:21														
7. Expand & simplify: $3(2x + 3) - 5x$	7:10	17. The area of this trapezium is $21m^2$. Work out height? 	7:22														
8. Evaluate: $a^2 - b$ when $a = -2, b = -3$	7:11	18. Give the number of edges, vertices and faces in a cone.	7:23 E= V= F=	24. Work out the range of scores from the table below	7:30												
9. Give the equation of the graph: 	7:12	19. Work out the surface area of this cuboid. 	7:24	25. Work out the modal score. <table border="1" data-bbox="1581 1158 1879 1378"> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>7</td> </tr> <tr> <td>16</td> <td>12</td> </tr> <tr> <td>17</td> <td>0</td> </tr> <tr> <td>18</td> <td>8</td> </tr> <tr> <td>19</td> <td>5</td> </tr> </tbody> </table>	Score	Frequency	15	7	16	12	17	0	18	8	19	5	7:30
Score	Frequency																
15	7																
16	12																
17	0																
18	8																
19	5																
10. Solve: $2(2x - 3) = 4$	7:13	20. $x = 38^\circ$. 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)													