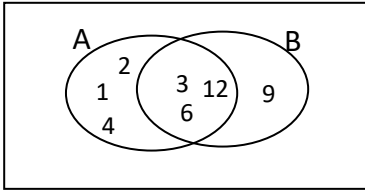
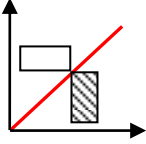
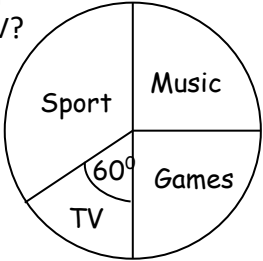

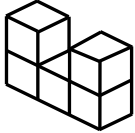
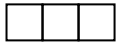
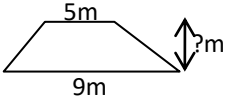
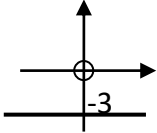
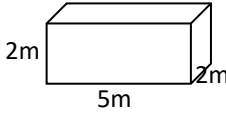
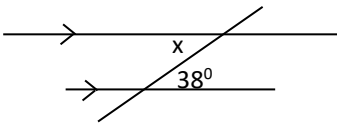


Maths Key Skills

Name: Date:

Stage 7: Skill Check 7 - Answers

Class/Group:

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Statistics & Probability													
1. Insert one of these symbols in the box: = < > ≤ ≥	7:1 0.3 > 0.25	11. Reduce to its lowest form: 2cm : 32mm	7:15 20:32 5:8	21. Write down the probability of getting a factor of 6 on a dice	7:27 $\frac{4}{6} = \frac{2}{3}$												
2. Which is bigger? 0.07 or 70%	7:2 70%	12. Divide 96 sweets in a ratio of 3:5 Give the answer as a ratio.	7:16 36:60	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 8	13. Express £30 as a percentage of £20.	7:17 150%														
4. Insert one of these symbols in the box: = < > ≤ ≥	7:4 $\sqrt[3]{64} < 3^2$	14. Reflect the rectangle in y=x. 	7:19	23. 72 students were asked for their favourite leisure activity. The results are shown in the pie chart. How many said TV? 	7:29 $360^\circ \div 72 = 5^\circ$ $60^\circ \div 5 = 12$												
5. Work out & simplify: $1\frac{2}{3} \times 1\frac{1}{4}$	7:6 $\frac{25}{12} = 2\frac{1}{12}$	15. Use standard convention to show the equal sides & angles of this equilateral triangle. 	7:20														
6. Work out: $5 + 3^2 - 6 \times 4$	7:7 -10	16. Sketch the plan view. 	7:21 	24. Work out the range of scores from the table below.	7:30 19-15 = 4												
7. Expand & simplify: $3(2x + 3) - 5x$	7:10 $6x+9-5x$ x + 9	17. The area of this trapezium is 21m ² . Work out height? 	7:22 3m														
8. Evaluate: a ² - b when a= -2, b= -3	7:11 4+3=7	18. Give the number of edges, vertices and faces in a cone.	7:23 E=1 V=1 F=2	25. Work out the modal score. <table border="1" data-bbox="1581 1161 1877 1385"> <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 16
Score	Frequency																
15	7																
16	12																
17	0																
18	8																
19	5																
9. Give the equation of the graph. 	7:12 y=-3	19. Work out the surface area of this cuboid. 	7:24 $2(10+10+4)$ 48m²														
10. Solve: $2(2x - 3) = 4$	7:13 $4x-6=4$ $4x=10$ x=2.5	20. $x=38^\circ$. Give the reason. 	7:25 Alternate angles are equal														
Total (A)		Total (B)		Total (C)													
Test Total (A+B+C)		R (0-9)		Y (10-19)													
				G (20-25)													

