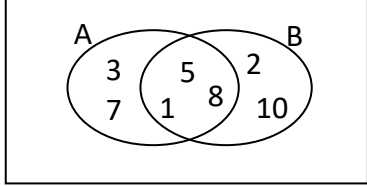

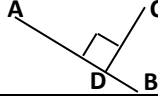
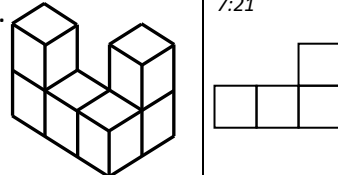
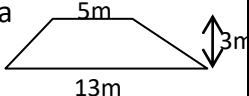
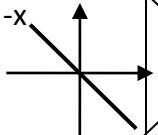

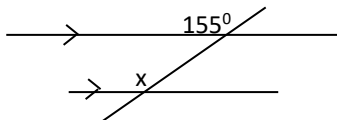


Maths Key Skills

Name: Date:

Stage 7: Skill Check 4 - Answers

Class/Group:

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Statistics & Probability																		
1. Insert one of these symbols in the box: = < > ≤ ≥	7:1 $\frac{1}{5} < \frac{1}{3}$	11. Reduce to its lowest form: 8 : 20	7:15 2:5	21. Write down the probability of getting a red card from a pack of cards.	7:27 $\frac{26}{52} = \frac{1}{2}$																	
2. Which is bigger? 60% or $\frac{15}{25}$	7:2 Same	12. Divide 48km in a ratio of 5:3 Give the answer as a ratio.	7:16 30km:18km	22. List the elements of the set $A \cap B$	7:28 {1,5,8}																	
3. Give the HCF of 27 and 18.	7:3 9	13. Express £40 as a fraction of £50.	7:17 4/5																			
4. Insert one of these symbols in the box: = < > ≤ ≥	7:4 $4^3 < 9^2$	14. Describe the transformation B to A 	7:19 Rotation 90° acw about X																			
5. Work out & simplify: $1\frac{1}{2} \div \frac{2}{5}$	7:6 $\frac{15}{4} = 3\frac{3}{4}$	15. Fill in the missing word AB is <u>perpendicular</u> to CD. 	7:20	23. 60 pupils were asked to name their favourite drink to draw a pie chart. Complete the table:	7:29																	
6. Work out: $18 \times 2 - (4 + 7)$	7:7 36-11 =25	16. Sketch the plan view. 	7:21																			
7. Expand & simplify: $3(2x + 1) - 3(x + 2)$	7:10 $6x+3-3x-6$ 3x-3	17. Work out the area of this trapezium. 	7:22 $\frac{1}{2}(5+13) \cdot 3$ 27m²			<table border="1"> <thead> <tr> <th></th> <th>f</th> <th>angle</th> </tr> </thead> <tbody> <tr> <td>Tea</td> <td>12</td> <td>72°</td> </tr> <tr> <td>Milk</td> <td>11</td> <td>66°</td> </tr> <tr> <td>Coffee</td> <td>15</td> <td>90°</td> </tr> <tr> <td>Orange</td> <td>9</td> <td>54°</td> </tr> <tr> <td>Water</td> <td>13</td> <td>78°</td> </tr> </tbody> </table>		f	angle	Tea	12	72°	Milk	11	66°	Coffee	15	90°	Orange	9	54°	Water
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8. Evaluate: $1 - 2a$ when $a = -2$	7:11 1+4=5	18. Give the number of edges, vertices and faces in a tetrahedron.	7:23 E=6 V=4 F=4	24. Work out the modal score. 4, 3, 1, 3, 4, 5, 2, 1, 4	7:30 4																	
9. Draw the graph of $y = -x$ on the grid. 	7:12	19. Work out the volume of this 5cm cube. 	7:24 125cm³	25. Results of last 7 rowing events <table border="1"> <thead> <tr> <th></th> <th>Pat</th> <th>Ken</th> </tr> </thead> <tbody> <tr> <td>Mean</td> <td>15.71s</td> <td>15.28s</td> </tr> <tr> <td>Range</td> <td>9s</td> <td>11s</td> </tr> </tbody> </table>		Pat	Ken	Mean	15.71s	15.28s	Range	9s	11s	7:30 Ken								
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10. Solve: $3x + 13 = 4$	7:13 $3x=-9$ x=-3	20. $x=155^\circ$. Give the reason. 	7:25 Corresponding angles are equal	Who has the best average time?																		
Total (A)		Total (B)		Total (C)																		
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)																		

