
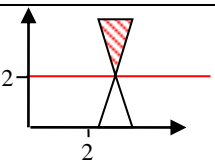
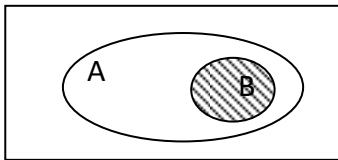
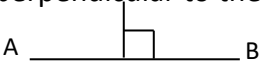
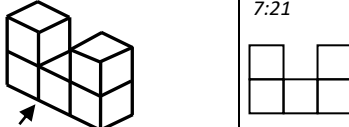
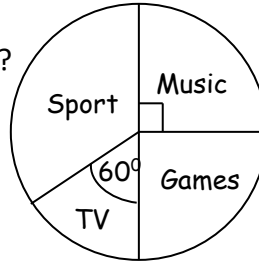
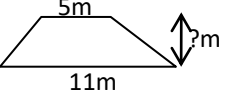
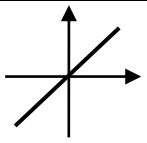
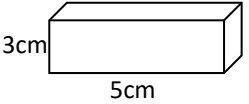
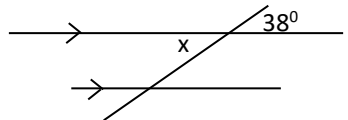


Maths Key Skills

Name: Date:

Stage 7: Skill Check 8 - Answers

Class/Group:

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Statistics & Probability										
1. Insert one of these symbols in the box: = < > ≤ ≥	7:1 0.15 < 0.2	11. Reduce to its lowest form: 2m : 1.5m	7:15 4:3	21. Indicate the position of the probability of choosing a black ball from a bag of 10 black balls.	7:27									
2. Which is bigger? $\frac{1}{3}$ or 30%	7:2 $\frac{1}{3}$	12. Divide 56 sweets in a ratio of 1:3 Give the answer as a ratio.	7:16 14:42											
3. Give the HCF of 14 and 21.	7:3 7	13. Express £5 as a fraction of £4.	7:17 $\frac{5}{4} = 1\frac{1}{4}$	22. Shade set $A \cap B$	7:28									
4. Insert one of these symbols in the box: = < > ≤ ≥	7:4 $\sqrt[3]{1} = 1^2$	14. Reflect the shape in $y = 2$.	7:19 											
5. Work out & simplify: $1\frac{2}{3} \div 1\frac{1}{4}$	7:6 $\frac{20}{15} \times \frac{4}{3} = 1\frac{1}{3}$	15. Draw a line perpendicular to the line AB.	7:20 	23. Students were asked for their favourite leisure activity. 6 students said Music. How many said TV?	7:29									
6. Work out: $5 + 3^2 - 6 + 4$	7:7 12	16. Sketch the front elevation.	7:21 		$90^\circ \div 6 = 15^\circ$ $60^\circ \div 15^\circ = 4$									
7. Expand & simplify: $x(x + 3) + x(x + 1)$	7:10 $x^2 + 3x + x^2 + x$ $2x^2 + 4x$	17. The area of this trapezium is $24m^2$. Work out height?	7:22 	3m										
8. Evaluate: $2a^2 - b$ when $a = 3, b = -5$	7:11 $18 + 5 = \mathbf{23}$	18. Give the number of edges, vertices and faces of a pentagonal prism.	7:23 E=15 V=10 F=7	24. Work out the median of the scores: 1, 3, 6, 8, 11, 12	7:30 $\frac{1}{2}(6+8) = \mathbf{7}$									
9. Draw on the grid The graph of $y = x$.	7:12 	19. The volume of this cuboid is $30cm^3$ Find its width.	7:24 	2cm	25. Results of last 7 rowing events									
10. Solve: $5(x - 2) = 0$	7:13 $5x - 10 = 0$ $x = 2$	20. $x = 38^\circ$. Give the reason.	7:25 	Vertically opposite angles are equal	<table border="1" data-bbox="1478 1157 1982 1284"> <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
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Mean	15.71s	15.28s												
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Total (A)		Total (B)		Total (C)										
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)										

