

Maths Key Skills

Name: Date:

Stage 7: Skill Check 5 - Answers

Class/Group:

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Statistics & Probability															
1. Insert one of these symbols in the box: = < > ≤ ≥	7:1 $\frac{5}{6} > \frac{2}{3}$	11. Reduce to its lowest form: £1 : 30p	7:15 100:30 10:3	21. Indicate the position of the probability of choosing a blue ball from a bag of 3 red and 5 blue balls.	7:27 														
2. Which is bigger? $\frac{15}{20}$ or 74%	7:2 $\frac{15}{20}$	12. Divide 70m in a ratio of 3:4 Give the answer as a ratio.	7:16 30m:40m	22. List the elements of A'	7:28 														
3. Give the LCM of 8 and 4.	7:3 8	13. Express £3 as a percentage of £20.	7:17 15%	23. 36 pupils were asked to name their favourite subject. These are the results:	7:29 <table border="1"><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> $360^\circ \div 36 = 10^\circ$ $12 \times 10^\circ = 120^\circ$	Science	4	Maths	15	English	12	French	5						
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4. Insert one of these symbols in the box: = < > ≤ ≥	7:4 $\sqrt[3]{125} > 2^2$	14. Describe the transformation A to B. 	7:19 Translation $\begin{pmatrix} 4 \\ 2 \end{pmatrix}$	24. Work out the range . 4, 3, 1, 3, 4, 5, 2, 1, 4	7:30 5-1=4														
5. Work out & simplify: $\frac{3}{5} \times 1\frac{1}{2}$	7:6 $\frac{9}{10}$	15. Fill in the missing word A AB is parallel to CD. 	7:20	25. Work out the modal score.	7:30 <table border="1"><thead><tr><th>Score</th><th>Frequency</th></tr></thead><tbody><tr><td>1</td><td>3</td></tr><tr><td>2</td><td>5</td></tr><tr><td>3</td><td>3</td></tr><tr><td>4</td><td>4</td></tr><tr><td>5</td><td>2</td></tr><tr><td>6</td><td>3</td></tr></tbody></table> 2	Score	Frequency	1	3	2	5	3	3	4	4	5	2	6	3
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1	3																		
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6	3																		
6. Work out: $8 \times (6 - 2) + 3$	7:7 $8 \times 4 + 3$ 35	16. Sketch the front elevation. 	7:21 	17. Work out the area of this trapezium. 	7:22 72m²														
7. Expand & simplify: $5(x - 2) - 3(x - 2)$	7:10 $5x - 10 - 3x + 6$ 2x-4	18. Give the number of edges, vertices and faces in a cuboid.	7:23 E=12 V=8 F=6	19. Work out the volume of this cuboid. 	7:24 36m³														
8. Evaluate: 2a + b when a= -2, b= -3	7:11 -4-3=-7	20. $x=142^\circ$. Give the reason. 	7:25 Alternate angles are equal	Total (A)	Total (B)														
9. Give the equation of the graph. 	7:12 x= -3	Total (C)																	

Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)
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