Maths Key Skills

Name: .... Date: ....

Stage 7: Skill Check 14 - Answers

Class/Group: ....

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Statistics & Probability	
1. Insert one of these symbols in the box: = < > ≤ ≥	7:1 $3.4 \quad > \quad \dfrac{3}{4}$	11. Reduce to its lowest form: 1½ hour : 2½hours	7:15 **3:5**	21. The probability of rain is 0.3 Indicate this on the scale. 0 ——————— 1	7:27 ✕
2. Which is bigger? $\dfrac{1}{5}$ or 15%	$\dfrac{1}{5}$ 7:2	12. Share £88 in a ratio of 6:5.	7:16 **£48/£40**		
3. Give the HCF of 40 and 50.	7:3 **10**	13. Express £30 as a fraction of £50.	$\dfrac{3}{5}$ 7:17	22. List the elements in set X	7:28 **{2,3,5,7}**
4. Insert one of these symbols in the box: = < > ≤ ≥	7:4 $\sqrt{196} < 5^2 - 2^3$	14. Describe the transformation A to B.	7:19 **Reflection in y = -x**		
5. Work out & simplify: $1\dfrac{4}{5} \times \dfrac{2}{3}$	7:6 $\dfrac{18}{15} = 1\dfrac{1}{5}$	15. Mark a right angle and a pair of parallel lines.	7:20 ✕		
6. Add a bracket to make this sum correct: **5+2x(3 − 1)=9**	7:7 ✕	16. Sketch the front elevation	7:21	23. 180 students were asked for their favourite leisure activity. How many said TV?	7:29 360÷150 = 2^0 60÷2 = **30** or 1/6 of 180 = **30**
7. Expand & simplify: (x - 3) + 2(2x + 3)	7:10 x-3+4x+6 **=5x + 3**	17. What is the area of this trapezium? 7cm, 6cm, 15cm	7:22 ½ (7+15).6 **66cm²**		
8. Evaluate: 3p + 4q when p= -5, q = -2	7:11 -15-8 **=-23**	18. Name this solid.	7:23 **Square based pyramid**	24. Work out the **range** of the scores: 1, 3, 6, 8, 11, 13	7:30 **13-1** **=12**
9. Give the equation of this graph.	7:12 **x = 5**	19. Work out the surface area of this cuboid. 4cm, 10cm, 2.5cm	7:24 2(40+25+10) **150cm²**	25.Work out the **range** of these scores.	Score	Frequency		1	7		2	8		3	5		7:30 **3-1=2**
10. Solve: 2y + 5= 2	7:13 2y=-3 **y = -1.5**	20. x=132⁰. 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)