Maths Key Skills

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

Stage 7: Skill Check 15 - Answers

Class/Group: ....

A: Number & Algebra		B: Proportion, Geometry & Measure		C: Statistics & Probability	
1. Insert one of these symbols in the box: = < > ≤ ≥	7:1 $\frac{2}{3} > \frac{3}{5}$	11. Reduce to its lowest form: £1.20 : £2	7:15 120:200 **3:5**	21. Give the probability of getting a vowel from the word 'simplify'.	7:27 $\frac{2}{8} = \frac{1}{4}$
2. Which is bigger? 64% or $\frac{3}{5}$	7:2 **64%**	12. Divide £169 between A & B in a ratio of 6:7.	7:16 **A-£78** **B- £91**	22. Write down the elements in the set **Y'**	7:28 **{2,3,7,9}**
3. Give the LCM of 11 and 12.	7:3 **132**	13. Express £36 as a percentage of £18	7:17 **200%**	X, 2, Y, 3, 5, 7, 9	
4. Insert one of these symbols in the box: = < > ≤ ≥	7:4 $\sqrt[3]{27} < 3^2$	14. Enlarge the shape, sf 4 on the grid	7:19 ✗		
5. Work out & simplify : $2\frac{1}{2} \div 1\frac{1}{4}$	7:6 $\frac{20}{10} = 2$	15. Describe the side opposite angle A.	7:20 **BC**		
6. Add a bracket to make this sum correct: **20- (3² x 2) = 2**	7:7 ✗	16. Sketch the side view	7:21	23. What fraction of the pie chart is TV?	7:29 60/360 **= 1/6**
7. Expand & simplify: 3(x - 5) - 2(2x + 5)	7:10 **3x-15-4x-10** **=-x-25**	17. What is the area of this trapezium? 9cm 10cm 23cm	7:22 ½ (9+23).10 **160cm²**		
8. Evaluate: ab - c when a = 4, b = -3 and c = -1	7:11 **-12+1=-11**	18. Name this solid.	7:23 **Triangular prism**	24. Work out the **mean** of the scores: 1, 3, 6, 8, 11, 13	7:30 **42÷6=7**
9. Give the equation of this graph.	7:12 **y=-x**	19. Work out the surface area of this cuboid. 3cm 7cm 2cm	7:24 2(21+14+6) **82cm²**	25. Work out the **median** of these scores.	7:30 ½ (27+1) = 14th score **=4**
10. Solve: 5a + 7= 2	7:13 **5a =-5** **a = -1**	20. x=32⁰. Give the reason. 32⁰ x	7:25 **Alternate angles are equal**	(see table below)	

Score	Frequency
1	3
2	5
3	5
4	11
5	3

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