Maths Key Skills			Stage 11: Skill Check 14		
Name:		Date:	Class	/Group:	
A: Number & Algebra		B: Algebra, Proportion, Geometry & Measure		C: Geometry & Measure & Statistics	
1.Simplify: 2 V5xV10	11:1	11. Make (m) the new subject of : $p = \frac{m^2 + 3}{m^2 + 2}$	11:12	21. Work out the angle that the diagonal makes with the base (correct to 3sf)	
2. Expand & simplify: $(\sqrt{3}+\sqrt{2})^2$	11:2	12. This is the graph of $y = cosx$ Give two solutions for cosx = 0.5 13. This is the graph of $y = f(x)$. Sketch on the grid: $y = f(x)+2$	11:14	30cm 12cm	
3. A sack contains 20kg of chicken pellets (to nearest kg).Each day the chickens are given 800g (to the nearest 10g). Work out the minimum number of days the pellets last?(to nearest day)	11:3	13. This is the graph of $y = 1(x)$. Sketch of the graph $y = 1(x) + 2$		22. Find the length 'x'? (1dp)	
4. Simplify the following fraction:	11:4	14. Estimate & interpret the area under the graph between 4 & 6s	11:16	11.20	
$\frac{2}{x+3} \cdot \frac{5}{(x+3)^2}$ 5. Solve: $\frac{x+5}{x-3} = x$	11:5	Supervisional and the sec sector of the sector of th		23. Find the length 'x'? (1dp) x 80° $7cm$ $6.4cm$ $11:28$	
		15. Write down the equation of the tangent at (5,2) on the circle with centre (4,4)	11:18		

Maths Key Skills

Stage 11: Skill Check 14

