Name:

Date:

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Class/Group:	

A: Number & Algebra		B: Algebra, Proportion, Geometry & Measure		C: Geometry & Measure & Statistics	
1.Simplify: 6 √12÷2√3	11:1	11. Make (x) the new subject of : $w = \frac{3x}{xy+1}$	11:12	21. Work out the angle between the face and base. (correct to 3sf)	11:26
2. Rationalise & simple: $\frac{6}{\sqrt{8}}$	11:2	12. This is the graph of y = tanx tan45° = 1; give another angle for which tan() = 1	11:14	8cm 6cm	
		13. This is the graph of $y = f(x)$. Sketch on the grid: $y = f(x+1)$	11:15	22. Find the angle 'x'? (1dp)	11:27
3. A bag contains 2kg of flour (to nearest 100g). Each cake needs 180g(to nearest 10g. Work out the maximum number of cakes that can be made.	11:3	-4 -2 -1 0 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		12.6cm	
4. Simplify the following fraction: $2x^2 - 11x + 5$	11:4	14. Estimate & interpret the area under the graph between 0 & 4s	11:16		
5. Solve: $\frac{x+1}{2} = \frac{3}{x-4}$	11:5	25		23. Find the angle 'x'? (1dp) 5cm 6.5cm 7.2cm	11:28
		15. Write down the equation of the tangent at (-2,5) on the circle with centre (2,-1)	11:18		

