Class/Group: Name: Date: C: Geometry & Measure & Statistics A: Number & Algebra B: Algebra, Proportion, Geometry & Measure <u>y</u> _ m 1. Write $\mathbf{V48}$ in the form kV311:1 11:12 21. Work out the angle between XY and the base. 11:26 11. Make (y) the new subject of : (correct to 3sf) y-t n 11:2 11:14 2. Rationalise the 12. One solution for **sinx = -0.8**(1dp) is $x = 234^{\circ}$. Use the graph denominator & simplify: 1.5 Х 5 1 0.5 $2\sqrt{8}$ 0 9cm 3cm -0.5 -1 4cm to find another solution. -1.5 13. This is the graph of y = f(x). Sketch on the grid: y = -f(x)11:15 11:27 22. Find the side 'x'? (1dp) 11:3 3. The area of a rectangle is 20m² (to the nearest 10) and its length is 4.82m (to the nearest cm) ′115⁰ Work out minimum width.(2dp) 7cm 4. Simplify the following 11:4 14. Estimate & interpret the area under the graph . 11:16 fraction: 12 $x^2 - 9$ $x^{2}-6x+9$ 10 11:28 23. Find the side 'x'? (3sf) $x^2 + 3x$ 5x Velocity(m/s) 8 79⁰ 6 8cm 10cm 4 2 11:5 5. Solve: 0 x+3 x-5 х 0 1 2 3 time(seconds) 15. Write down the equation of the tangent at (2,2) on the 11:18 circle with centre (-4,-8)

Maths Key Skills

Stage 11: Skill Check 12

