RIGOUR

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Numeracy for Learning, Life and Work

April National 5 Maths Calendar

#abitofmathseveryday

1 $y = (x - 2)^2 + 1$					
2 Since $b^2 - 4ac = 0$, roots are real and equal.	3 $u = \frac{y+6}{d}$	4 $4x^3 - 33x^2 + 67x - 40$	5 $y = -3x + 1$	6 $2\sqrt{5}$	7 4·18
8 216	9 (5, -9)	10 $\frac{7p}{5}$	11 $\frac{x}{x+2}$	12 $\frac{13}{14}$	13 2(5x + 6y)(5x - 6y)
14 5	15 63·2°	16 $\begin{pmatrix} 2 \\ -22 \\ 2 \end{pmatrix}$	17 23·0°C	18 $16x^6$	19 $x = 11$
20 a = -45	21 $\frac{\sqrt{3}}{3}$	22 P = 3N + 60	23 $y = \frac{1}{3}$ $c = -4$	24 1 m	25 a = -4, 2
26 x = 45°, x = 225°	27 30 miles	28 96·9 cm	29 y-intercept (0, -9) max T.P. at (4, 7) x = 4	30 911·25 cm^3	