


18th February	
Expand and simplify $(y + 2)(y - 3) + y + 5$ $y^2 - 3y + 2y - 6 + y + 5$	 Corbettm0ths $y^2 - 1$ or $(y - 1)(y + 1)$
Matt used to weigh 80kg. He now weighs 76kg. Work out the percentage change. $\frac{4}{80} \times 100 = 5\%$	5%
Work out the reciprocal of 5. $\frac{1}{5}$	Work out the reciprocal of 0.4. $0.4 = \frac{2}{5}$ $\frac{5}{2}$ or $2\frac{1}{2}$ or 2.5
The mean of five numbers is 8.2. Four of the numbers are 8, 10, 12 and 10. Work out the fifth number.	$5 \times 8.2 = 41$ $41 - (8 + 10 + 12 + 10) = 1$ 1
Find the volume of a sphere, radius 10cm. $V = \frac{4}{3} \times \pi \times r^3$ $= \frac{4}{3} \times \pi \times 10^3$	$= 4188.8 \text{ cm}^3$