1st February	Higher 5-a-day
What is the size of each exterior angle of a regular pentagon? $360 \div 5 = 72^\circ$	What is the size of each interior angle of a regular heptagon? $(7-2) \times 180 = 900^\circ$ $900 \div 7 = 128.571^\circ$
Simplify $5w^{-2}y^6 \times 2w^5y$ $10w^3y^7$	
$w = \frac{20(a+c)}{c}$ $cw = 20(a+c)$ Make a the subject.	$cw = 20a + 20c$ $cw - 20c = 20a$ $a = \frac{cw-20c}{20}$ or $a = \frac{cw}{20} - c$
Two bottles are mathematically similar. Bottle A is 15cm tall. Bottle B is 20cm tall. $\times 1.\dot{3}$ The volume of Bottle A is $400cm^3$	Work out the volume of Bottle B $400 \times 1.\dot{3}^3$ $948.15cm^3$
Calculate the surface area of a sphere with radius 10cm. $SA = 4\pi r^2$ $= 4 \times \pi \times 10^2$	$1256.64cm^2$