
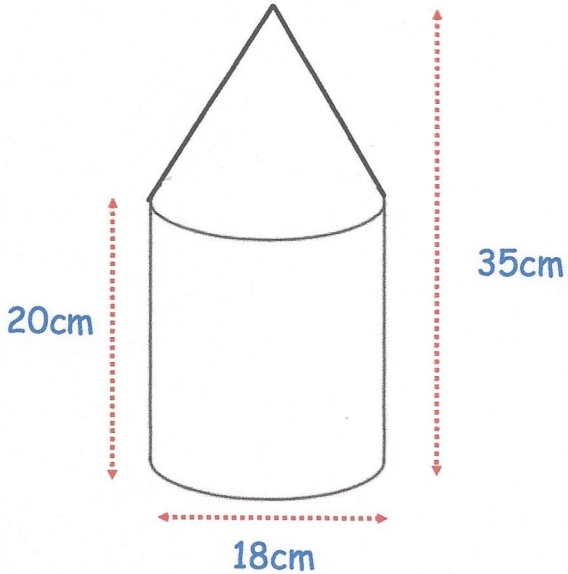


18th May	
Estimate the cube root of 700 $8^3 = 512$ $9^3 = 729$	 Corbettmoths $8.8/8.9$
Make w the subject of $2c - 5w = 9 - cw$ $2c + cw = 9 + 5w$ $2c + cw - 9 = 5w$ $2c - 9 = 5w - cw$	$2c - 9 = w(5 - c)$ $w = \frac{2c - 9}{5 - c}$
	Calculate the volume. Give your answer in terms of π Cylinder: $\pi \times 9^2 \times 20$ $\pi \times 81 \times 20 = 1620\pi \text{ cm}^3$ Cone: $\frac{1}{3} \times \pi \times 9^2 \times 15$ $= 405\pi \text{ cm}^3$ $2025\pi \text{ cm}^3$
Expand $\sqrt{27}(\sqrt{2} + \sqrt{3})$ $\sqrt{54} + \sqrt{81}$ $3\sqrt{6} + 9$	