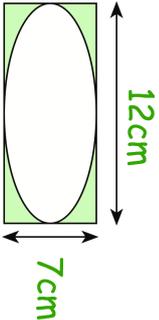
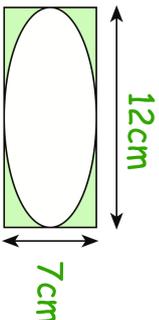


26th November		Corbettmaths 
n is the set of even numbers from 1 to 200 O is the set of odd numbers P is the set of prime numbers C is the set of cube numbers S is the set of square numbers	How many numbers are there in the set $O \cup P \cup C \cup S$	
The area of an ellipse, with a and height b is given by $A = \frac{\pi ab}{4}$	Find the shaded area. 	
Prove $(2n + 1)^2 - (2n + 1)$ is always a even number for all positive values of n.		
Mrs Jenkins is making decorations for a wedding. She needs $18\sqrt{5}$ metres of ribbon in total. Mrs Jenkins has 40 metres of ribbon. Does she have enough ribbon?		
The point A has coordinates $(-6, 0)$ The point B has coordinates $(0, 3)$ The point C has coordinates $(9, -1)$ Find the equation of the line that passes through C and is perpendicular to AB.		

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