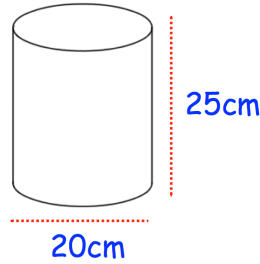


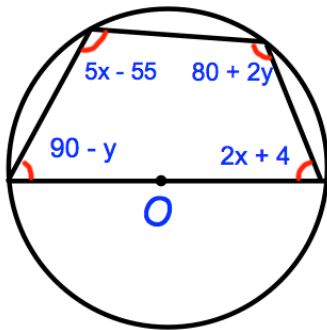
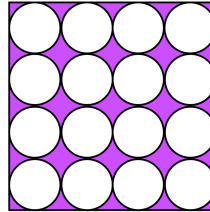


Callum is making cylindrical candles.  
Calculate the volume of the candle.



Callum places 16 of the candles in a box of height 30cm.  
Here is a plan view of the box.

Calculate the percentage of the box that is **not filled** by the candles.



Find  $x$  and  $y$

Factorise

$$2x^2 - 7x - 15$$

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?

