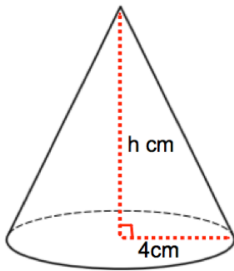


**1st July**



Corbettmaths

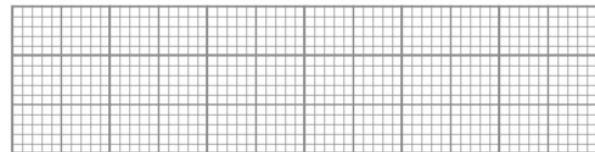
Bag A contains  $5x$  coins.  
 Bag B contains  $3x$  coins.  
 8 coins are taken from Bag B and put into Bag A  
 The ratio of coins in Bag A to Bag B is now 11:5  
 Work out the total number of coins.



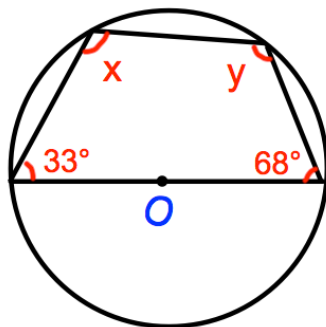
Find the height of the cone.

The volume of the cone is  $200\text{cm}^3$

A company employs 400 people.  
 25% of the employees earn under £27,000.  
 50% of the employees earn over £35,000.  
 The interquartile range of the earnings is £10,000.  
 The person who earns the most is paid £60,000.  
 The range of the earnings is £50,000.



Draw a box plot to show this information



Find  $x$  and  $y$

Find the area of the rectangle

