

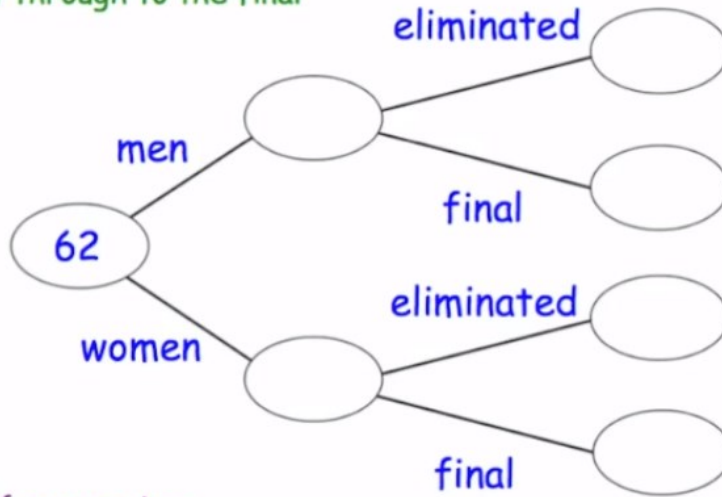
M3 = 20 days to go!

62 people took part in a talent show

43 of the people were women.

10 people made it through to the final and the rest were eliminated.

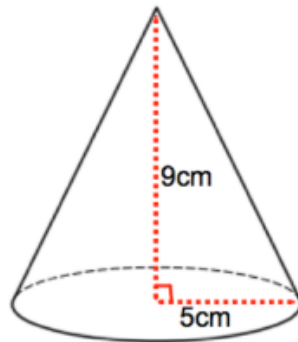
3 men made it through to the final



a) Complete the frequency tree

b) What fraction of the men made it through to the final?

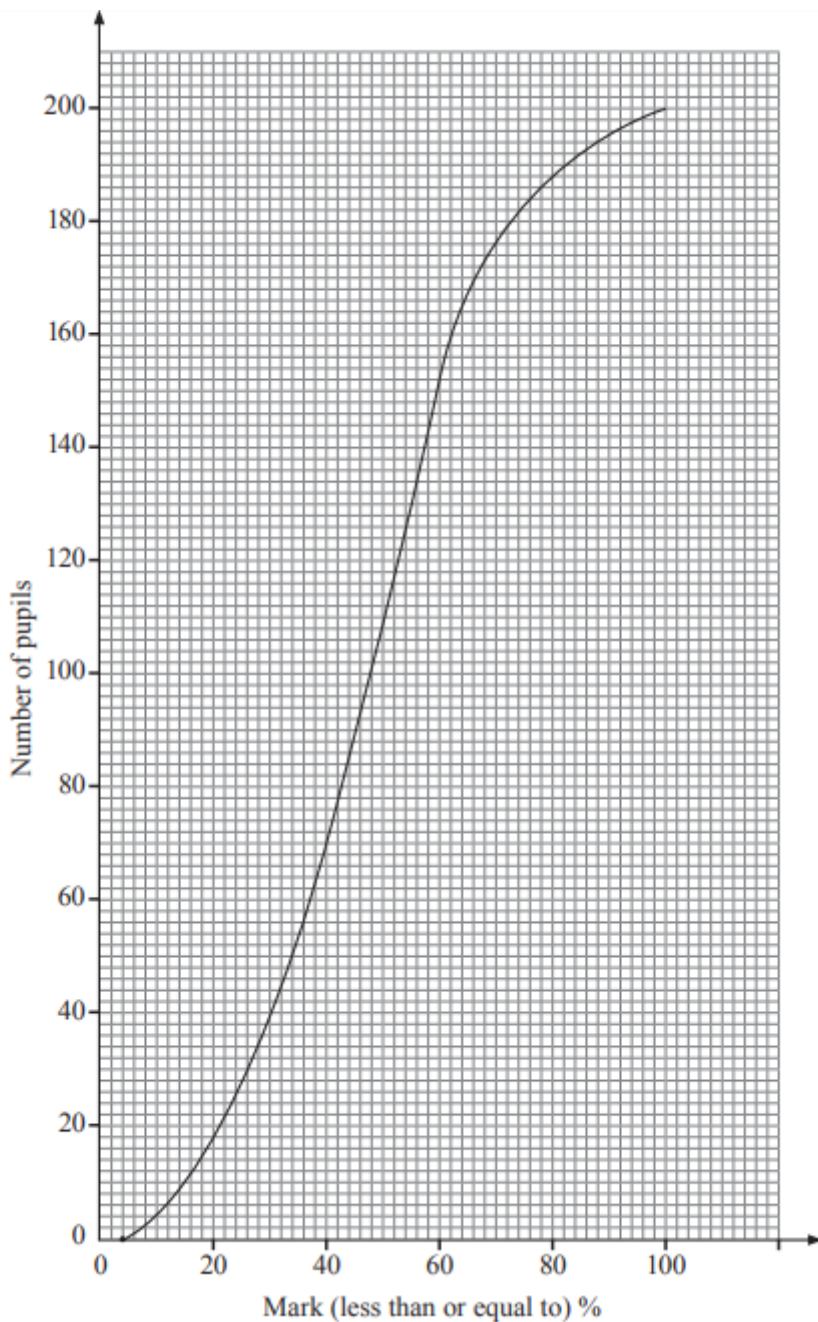
1. A cone has base radius 5cm and perpendicular height 9cm.



Work out the volume of the cone.

.....cm³
(3)

22 Two hundred pupils sat an English test. The cumulative frequency curve for the percentage marks gained is shown.



(a) Use the graph to complete table (i) and hence table (ii) below:

(i)

Percentage Mark	Cumulative Frequency
≤ 20	18
≤ 40	70
≤ 60	
≤ 80	
≤ 100	

[1]

(ii)

Percentage Mark	Frequency
$0 < p \leq 20$	18
$20 < p \leq 40$	52
$40 < p \leq 60$	
$60 < p \leq 80$	
$80 < p \leq 100$	

[2]

(b) Use the graph to estimate the median mark.

Answer _____ [1]