16 Sanjit collects some data about the ages of people at a cinema one day.
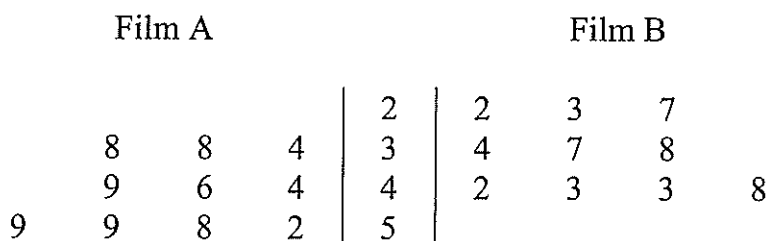
He asks 10 people watching film A and 10 people watching film B.

(a) Is the data Sanjit collects Primary or Secondary data?
Give a reason for your answer.

....

.... [1]

(b) This stem-and-leaf diagram shows Sanjit's data.

		Film A				Film B		
				2	2	3	7	
	8	8	4	3	4	7	8	
	9	6	4	4	2	3	3	8
9	9	8	2	5				

Make **one** statement to compare the ages of people attending Film A and Film B.

....

.... [1]

17   The diagram shows a rectangular table.
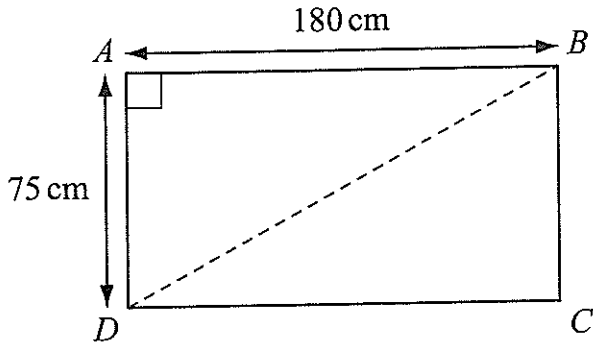
Use Pythagoras' theorem to work out the distance *BD*.

.... cm   [2]

18 The equation $x^2 + 3x = 30$ has a solution between 4 and 5.
Use trial and improvement to find this solution.
Give your answer to 1 decimal place.

Show your working in the table.
The first line is done for you.
You may not need to use all the lines.

x	$x^2 + 3x =$	Comment
4	16 + 12 = 28	too small

$x =$ .... [4]