



1 The students in Class A and in Class B take the same examination.

There are 28 students in Class A and 32 students in Class B.

The mean score for all the students in both classes is 72.6

The mean score for the students in Class A is 75

(a) Work out the mean score for the students in Class B.

.....
The lowest score in Class A is 39

The range of scores for Class A is 57

The lowest score in Class B is 33

The range of scores for Class B is 60

(b) Find the range of scores for all the students in both classes.

.....
(4)

.....
(3)

(Total for Question 1 is 7 marks)



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$$\text{Class A total} = 75 \times 28 = 2100 \text{ marks}$$

$$\begin{aligned} \text{Both classes total} &= 72.6 \times (28+32) \\ &= 4356 \text{ marks} \end{aligned}$$

$$\text{Class B total} = 4356 - 2100 = 2256 \text{ marks}$$

$$\text{Class B mean} = 2256 \div 32 = 70.5 \text{ marks}$$

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(b) Find the range of scores for all the students in both classes.

	Lowest	Highest	
Class A:	39	39 + 57 96	
Class B:	33	33 + 60 93	96 - 33
Both	33	96	= 63

.....
(3)

(Total for Question 1 is 7 marks)