

9 The students in class X and the students in class Y did the same science test.

Here are the marks of the students in class X.

30    31    33    37    40    42    43    43    45    46    46    48  
50    52    53    53    55    56    58    63    66    68    69

(a) Complete the table below to show information about the marks of the students in class X.

Median	48
Range	
Interquartile range	

(3)

Here is some information about the marks of the students in class Y.

Median	45
Range	41
Interquartile range	16

Tanya says that the information in the tables shows that class X did better in the test than class Y.

(b) Is Tanya correct?

You must give a reason for your answer.

(1)

Amar says that the information in the tables shows that the marks of class X vary more than the marks of class Y.

(c) Is Amar correct?

You must give a reason for your answer.

(1)