



Name: _____



a) 6 students get a mean mark of 18 in a test.
How many marks did they get altogether?

108

b) 5 students scored 40 marks in total.
The mean mark of 6 of the students was 9.
How many marks did the last student get?

14

c) 8 students scored 120 marks in total.
The mean mark of 7 of the students was 16.
How many marks did the last student get?

8

d) 15 students scored 285 marks in total.
The mean mark of 14 of the students was 20.
How many marks did the last student get?

5

e) 3 students got a mean of 12 marks in test. A
4th students mark changed the mean to 13.
How many marks did the 4th student get?

16

f) 6 students got a mean of 14 marks in test. A
7th students mark changed the mean to 16.
How many marks did the 7th student get?

28

g) 6 boys have a mean score of 12 and 10 girls gave a mean score of 10 on a test.
Calculate the overall mean score on the test.

10.75

h) 11 men have a mean height of 1.75m and 14 women have a mean height of 1.65m.
Calculate the overall mean height.

1.694m

i) 11 dogs have a mean weight of 7.2kg and 9 cats have a mean weight of 3.8kg.
Calculate the overall mean weight.

5.67kg

Exam question:

50 runners complete a marathon. 20 were under 30 years old, and the rest 30 or over. The mean time for under 30s was 3 hours 15 minutes, and the mean time for everyone 30 or over was 4 and half hours.

What was the mean time for all 50 runners?

4 hours

