Averages and range

Name: _____ Date: _____



Mr Boston says: Always put the data in order before finding the median.

A. Mean, median and range

1 Find the mean, median and range of 2, 18, 4, 3, 24.

Answer: _____

2 Find the mean, median and range of 10, 20, 13, 12, 23, 14.

Answer: _____

3 Find the mean, median and range of 21, 30, 8, 20, 9, 5, 4.

Answer: _____

4 Find the mean, median and range of 28, 23, 13, 23, 2, 27, 16, 8.

Answer: _____

B. Problems and frequency tables

5 Find the mode of 4, 7, 7, 2, 9, 7, 4.

Answer: _____

6 The mean of 6 numbers is 12. What is their total?

Answer: _____

7 The mean of 4 numbers is 15. Three are 12, 18 and 11. Find the fourth.

Answer: _____

8 In 5 tests Tayo scores 14, 17, 15, 19 and x. His mean is 16. Find x.

Answer: _____

9 Goals scored: 0 goals 4 times, 1 goal 6 times, 2 goals 3 times, 3 goals 2 times. Find the mean number of goals.

Answer: _____

10 Which average is best for shoe sizes in a shop? Why?

Answer: _____

Answers for grown-ups

Averages and range

1. Find the mean, median and range of 2, 18, 4, 3, 24. → **mean 10.2, median 4, range 22**
2. Find the mean, median and range of 10, 20, 13, 12, 23, 14. → **mean 15.33 (2 d.p.), median 13.5, range 13**
3. Find the mean, median and range of 21, 30, 8, 20, 9, 5, 4. → **mean 13.86 (2 d.p.), median 9, range 26**
4. Find the mean, median and range of 28, 23, 13, 23, 2, 27, 16, 8. → **mean 17.5, median 19.5, range 26**
5. Find the mode of 4, 7, 7, 2, 9, 7, 4. → **7**
6. The mean of 6 numbers is 12. What is their total? → **72**
7. The mean of 4 numbers is 15. Three are 12, 18 and 11. Find the fourth. → **19**
8. In 5 tests Tayo scores 14, 17, 15, 19 and x. His mean is 16. Find x. → **15**
9. Goals scored: 0 goals 4 times, 1 goal 6 times, 2 goals 3 times, 3 goals 2 times. Find the mean number of goals. → **1.2**
10. Which average is best for shoe sizes in a shop? Why? → **the mode: it shows the most popular size**