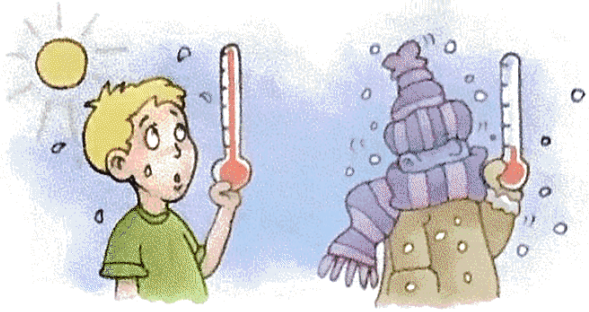
Mean, median, mode



Calculate the mean, median and mode for each set of temperatures.

1
1°C 3°C 6°C
3°C 2°C 2°C 4°C
3°C 2°C 2°C 5°C
11°C 5°C

2
10°C
9°C 9°C
8°C 8°C
9°C 13°C
8°C 9°C 7°C
7°C

3
3°C
2°C 5°C
4°C 8°C
6°C 5°C 7°C
7°C

4
5°C
−1°C 6°C
2°C −3°C
1°C −1°C 1°C
−1°C −4°C

The tables show the ages of the children who belong to each school club.

Copy each table, then draw a third column to help you find the mean age of the children in each club.

5 **Football Club**

age	children
8	4
9	3
10	6
11	3
12	4

6 **Stamp Club**

age	children
9	7
10	6
11	5
12	6
13	4
14	2

7 **Dance Club**

age	children
5	2
6	4
7	4
8	8
9	3
10	6
11	9
12	4

8 The mean age of five children is 11. If the ages of four of the children are 7, 13, 8 and 12, what is the age of the fifth child?

9 John scores 72 and 69 on two of his three tests. How many does he need to score on his third test to have a mean score of 65?

10 Six children have a mean age of 9. Their teacher, is 23 years old. What is the mean age of the teacher and children?

Problems

11 The mean of five consecutive numbers is 10. What is the mean of the first three of these numbers?

12 Nine children have a mean age of 8. Another person joins them. Together they have a mean age of 9·1. How old is the other person?

13 The mean of four consecutive numbers is 9·5. What is the fourth number?