

## Statistics Quiz 25

Give answers to the following questions to one decimal point.

1) The daily high temperature for a town in the winter is given for each of seven days in a week.

Temp      -4.0,   0.0,   2.0,   -1.0,   5.0,   3.0,   2.0.

a) Find the average temperature.                      b) Find the standard deviation.

2) The frequency distribution for a quiz that is given to a math class is shown below. The quiz is out of 10 marks.

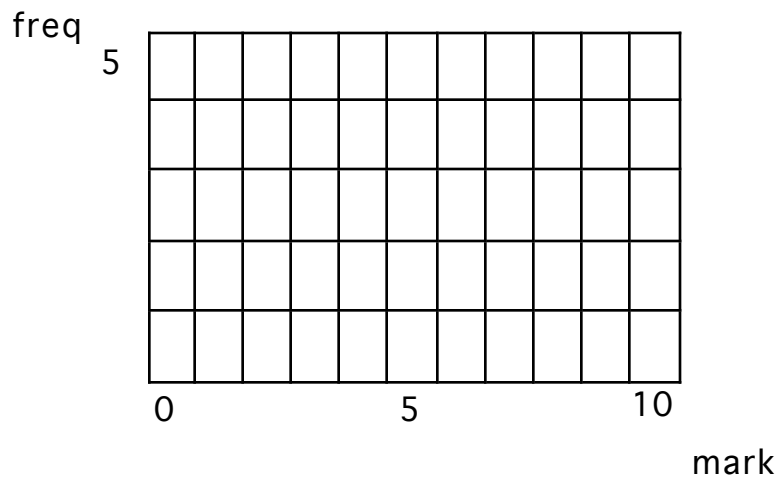
|           |   |   |   |   |   |   |   |   |   |   |    |
|-----------|---|---|---|---|---|---|---|---|---|---|----|
| mark      | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| frequency | 0 | 1 | 0 | 2 | 1 | 3 | 4 | 2 | 1 | 1 | 0  |

a) Find the number students.

b) Find the average mark.

c) Find the standard deviation.

d) Sketch the frequency distribution.



Answers: 1)a) 1.0, b) 2.7, 2)a) 15, b) 5.4, c) 2.0,

