

Name:

Result:

Group A

1. *(2 points)*
An analysis of basketball players was done based on the following data for each player:

1. country of origin,
2. height,
3. number of points scored,
4. time spent on the court.

Classify each data as quantitative (categorical) or qualitative (numerical). If the data is qualitative decide if it is discrete or continuous.

2. *(3 points)*
The following table shows points scored by the two basketball players in their first ten games.

Adam: 20, 18, 22, 20, 20, 24, 23, 4, 19, 24

John: 15, 13, 19, 28, 21, 24, 27, 14, 18, 26

Find the range and the interquartile range for both players. Who is a more consistent point-scorer? Justify your answer.

3.*(5 points)*

50 participants were asked to solve a certain problem. Their solutions were graded on 0-10 scale. The time it took each participant to solve the problem was also recorded. The results are presented in tables below:

grade	frequency
0	1
1	3
2	4
3	4
4	5
5	9
6	7
7	5
8	5
9	4
10	3

time [min]	frequency
$0 < t \leq 1$	1
$1 < t \leq 2$	12
$2 < t \leq 3$	20
$3 < t \leq 4$	15
$4 < t \leq 5$	2

- (a) For the grades, find the (i) mean, (ii) median, (iii) mode, (iv) interquartile range of scores.
- (b) Estimate the mean time it took participants to solve the problem.