1. Which of the following is not a measure of dispersion?
   (A) mean
   (B) variance
   (C) mean deviation
   (D) range

2. Find the range of the following set of observations 2, 3, 5, 9, 8, 7, 6, 5, 7, 4, 3.

3. Find the mean and standard deviation of the following distribution:

Class interval	Frequency
31–35	2
36–40	3
41–45	8
46–50	12
51–55	16
56–60	5
61–65	2
66–70	2

4. Find the mean deviation about median for the distribution

Marks	50	55	60	65	70
No. of students	5	8	6	4	2

5. The batting scores of two cricket players A and B in 10 innings are as follows:

Batsman A	15	17	19	27	30	36	40	90	95	110
Batsman B	10	16	21	28	37	41	36	80	82	85

Find which of the player is more consistent.

6. The weights of 9 men are 76, 74.5, 61, 64, 69, 67.5, 71, 73, 74. Find the variance and standard deviation of the weights.

Exercise Solution

3.   mean = 50, standard deviation = 58

4.   5

5. $\bar{x}(A) = 47.9$, $\sigma(A)' = 34.18$, c.v. for A = 71.35%,

        $\bar{x}(B) = 45.6$, $\sigma(B) = 27.06$, c.v. for B = 59.34%.

        $\therefore$ B is consistent.

6. $\sigma = 4.79$, variance = 22.94.