

### Exercise (3):

#### Question 1:

Suppose two samples of human males yield the following data (which is more variation)

	Sample 1 25 year	Sample 2 11 year
Mean weight	135 pound	60 pound
Standard deviation	10 pound	10 pound

Sample 2 has .....variation than sample 1

#### Question 2:

The following values are calculated in respect of heights and weights for sample of students, can we say that the weights show greater variation than the heights.

	Sample 1 height	Sample 2 weight
Mean	162.6 cm	52.36 kg
variance	127.69 cm <sup>2</sup>	23.14 kg <sup>2</sup>

Since  $CV_2$  .....  $CV_1$ , therefore we can say the weights show ..... variability than heights.