Standard Deviation Worksheet

1. Calculate the mean and standard deviation of each data set

   (a)   20   21   19   22   21   20   19   20   21   20

   (b)   303   299   306   298   304   307   299   302   305   299   300

   (c)   15·3   14·9   15·1   15·2   14·8   14·7   15·1   14·8   15·0   15·0

   (d)   87   89   84   88   89   87   86   87   86   87

2. The temperatures, in °C, at a seaside resort were recorded at noon over a 10-day period.

   19   20   19   17   21   18   19   24   25   28

   Calculate the mean and standard deviation.

3.   John plays golf with his brother Joe each month. They keep a note of their scores.

John	74	73	74	73	71	73	72	75	73	73	72	73
Joe	68	74	70	67	80	81	69	68	79	67	70	71

   Calculate the mean and standard deviation and comment on John and Joe's performance over the year.

Answers

1	(a)	(b)	(c)	(d)
mean	20·3	302	14·99	87
SD	0·95	3·19	0·19	1·49

2.106, 16·7

3. 21, 3·6