A frozen food company uses machines to pack sprouts into bags.
A sample of six bags is taken from Machine A and the number of sprouts in each bag is counted.
The results are shown below.

| 23 | 19 | 21 | 20 | 19 | 24 |
| :--- | :--- | :--- | :--- | :--- | :--- |

(a) Calculate the mean and standard deviation of this sample.
(b) Another sample of six bags is taken from Machine B.

This sample has a mean of 19 and a standard deviation of $2 \cdot 3$.
Write down two valid comparisons between the samples.

Answers:
(a) $\quad$ Mean $=21$

Standard deviation $=2.1$
(b) Machine A, on average, packs more sprouts into a bag.

The number of sprouts packed in a bag by Machine A is more consistent. (or equivalent statements)

