

Name _____

Date _____

Mean and Standard Deviation Distributions - Independent Practice Worksheet

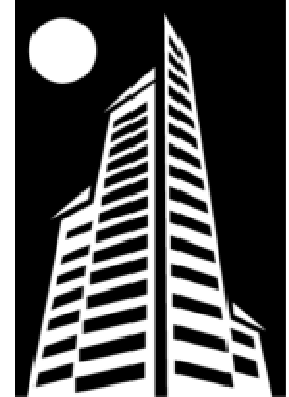
Complete all the problems.

Consider the following three Data Sets A, B and C.

$$A = \{1, 2, 3, 4, 5\}$$

$$B = \{2, 2, 2, 2, 2\}$$

$$C = \{5, 7, 3, 11, 14\}$$



1. Calculate the mean of each data set.
2. Calculate the standard deviation of each data set.
3. Which set has the largest standard deviation?
4. Is it possible to answer question "c" without calculations of the standard deviation?

The frequency Table is shown below.

Number of Children	frequency
20	4
40	2
30	6
80	5
60	3

5. Calculate the mean of the number of children of frequency.
6. Calculate the standard deviation of the number of children of frequency.



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Consider the following three Data Sets A, B and C.

$$A = \{7, 3, 2\}$$

$$B = \{6, 5, 13\}$$

$$C = \{8, 2, 2\}$$

7. Calculate the mean of each data set.

8. Calculate the standard deviation of each data set.

9. Which set has the largest standard deviation?

10. Is it possible to answer question "c" without calculations of the standard deviation?

