

Name _____

Date _____

Mean and Standard Deviation Distributions- Guided Lesson

Complete the following problems:

1. The frequency table of the monthly salaries of 25 people is shown below.

Salary (in \$)	Frequency
3500	8
4000	5
4200	8
4300	2
4500	2

- Calculate the mean of the salaries of 25 people.
- Calculate the standard deviation of the salaries of the 25 people.

2. Consider the following two Data Sets A and B.

$$A = \{5, 6, 3, 9, 2\}$$

$$B = \{7, 10, 18, 20, 20\}$$

- Calculate the mean of each data set.
- Calculate the standard deviation of each data set.
- Which set has the largest standard deviation?
- Is it possible to answer question c) without calculations of the standard deviation?

3. The frequency Table of the monthly salaries of 10 people is shown below.

Salary (in \$)	Frequency
1500	3
6500	5
2400	2

- Calculate the mean of the salaries of 10 people.
- Calculate the standard deviation of the salaries of the 10 people.

