

## Assessment

1. Determine the elevation of each of the sites listed below on the topographical map of the Colorado River through the Grand Canyon.

<u>Site</u>	<u>Elevation</u>
A	
B	
C	
D	
E	
F	
G	

2. Find the range of the elevations of the sites. Show your work.

3. Put the elevations in order and find the median. Show your work.

4. Is there a mode? If so, what is it?

5. Find the mean of the elevations of the sites. Show your work.

### Assessment Key

1. Determine the elevation of each of the sites listed below on the topographical map of the Colorado River through the Grand Canyon.

<u>Site</u>	<u>Elevation</u>
A	<u>2300'</u>
B	<u>3100'</u>
C	<u>1500'</u>
D	<u>1200'</u>
E	<u>2900'</u>
F	<u>1700'</u>
G	<u>2700'</u>

2. Find the range of the elevations of the sites. Show your work.

$$3100-1200 = 1900$$

range = 1900ft.

3. Put the elevations in order and find the median. Show your work.

$$1200, 1500, 1700, 2300, 2700, 2900, 3100$$

median = 2300 ft.

4. Is there a mode? If so, what is it?

No mode since each elevation is listed once.

5. Find the mean of the elevations of the sites. Show your work.

$$1200+1500+1700+2300+2700+2900+3100 = 15400$$
$$15400/7 = 2200$$

mean = 2200 ft.

## Grading Rubric for Mathematics Questions

**4** - The student set up the problem correctly. The answer is correct.

**3** - The student set up the problem correctly. The answer is not correct.

**2** - The student set up the problem using the wrong method. (For example, the student used the method for median for the mean or the range for the mode.) The answer was not correct but would have been for the method used.

**1** - The student set up the problem incorrectly and the answer was not correct.

**0** - The student made no effort to work the problem.