

# MATH

## Long-term Memory Review

### PROFICIENCY PRACTICE: MONDAY REVIEW

- 1) To analyze a set of data, one should remember to first put the data in \_\_\_\_\_ (from least to greatest).
- 2) The median of a set of data is the number in the \_\_\_\_\_ of an ordered set of data. If there is an even number of data points, then explain how you would find the median a set of data.
- 3) The \_\_\_\_\_ of a set of data is the average value of all the data.

Jack's scores on his first five exams are listed below.

Exam Scores					
Exam	Exam 1	Exam 2	Exam 3	Exam 4	Exam 5
Score	85	101	89	78	90
Work Area					

- 4) What is the range of scores?
- 5) What is the relationship between Jack's mean score and his median score?
  - a) The mean is more
  - b) The median is more
  - c) The mean and the median are the same amount
  - d) There is no difference between the mean or median
- 6) What is the minimum score Jack must get on exam 6 for a "B" average ( $\geq 80$  avg)?

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## Long-term Memory Review

### PROFICIENCY PRACTICE: TUESDAY REVIEW

- 1) To analyze a set of data, one should remember to first put the data in \_\_\_\_\_ (from least to greatest).
- 2) Explain what the median of a set of data is:
- 3) Is the median always exactly one of the data values? Why/Why not?
- 4) The mean of a set of data is described as \_\_\_\_\_.

Jill's scores on her first four tests are:

Test Scores					
Tests	Test 1	Test 2	Test 3	Test 4	Test 5
Score	85	101	89	78	?
Work Area					

- 5) If Jill's average on her first five tests was 89. What must Jill have scored on Test 5?
  - a) 82
  - b) 87
  - c) 89
  - d) 92
- 6) What is the minimum score (integer) Jill must get on Test 5 in order to earn an overall Test average of "A" ( $\geq 90_{avg}$ )?

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## Long-term Memory Review

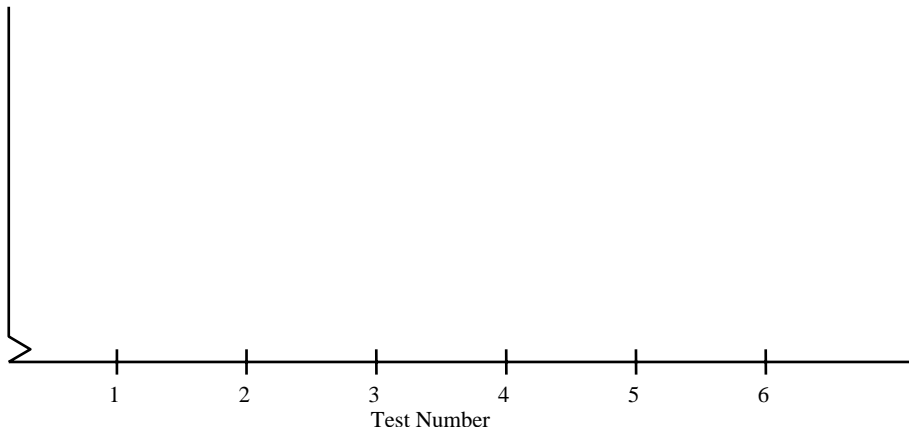
### PROFICIENCY PRACTICE: WEDNESDAY REVIEW

- 1) To analyze a set of data, one should remember to first put the data in \_\_\_\_\_?
- a) your pocket                  b) the trash                  c) your hand                  d) order
- 2) What is the difference between the mean and the median of a set of data?

Latoya's test scores are:.

Test Scores						
Test	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6
Score	103	68	91	97	97	89
Work Area						

- 3) Use data above to find the following:
- a) Range \_\_\_\_\_
- b) Mean \_\_\_\_\_
- c) Median \_\_\_\_\_
- d) Mode \_\_\_\_\_
- 4) Label the vertical axis of the following graph to facilitate plotting the exam scores above. Construct a line graph to show the trend of scores.



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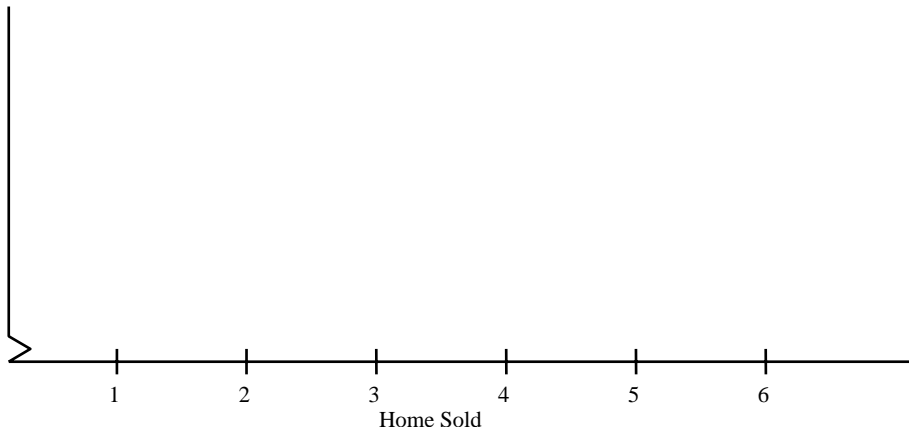
### PROFICIENCY PRACTICE: THURSDAY REVIEW

- 1) List and define three commonly used measures of central tendencies of data:
- 2) To analyze data, one should remember to first put the data in\_\_\_\_\_.

Sale prices of homes recently sold in a Las Vegas neighborhood are:

Prices of Homes					
House	1	2	3	4	5
Price (in thousands)	\$225	\$300	\$250	\$300	\$275
Work Area					

- 3) What is the recent mean sale price (in thousands of dollars)?  
a) \$249                      b) \$270                      c) \$277                      d) \$288
- 4) How would you find the median sale price (in thousands of dollars)?
- 5) If your neighbor with the corner lot and custom pool with waterfalls sells his home for \$630,000, how does it affect the mean and median of the above sales prices?  
a) It increases the mean more              b) It increases the median more              c) It increases the mean and the median by the same amount              d) There is no change in the mean or median
- 6) What is the best indicator of the prices of homes in a particular area of a city?  
a) mean                      b) median                      c) mode                      d) range
- 7) Label the vertical axis of the following graph to facilitate plotting the home prices above. Construct a line graph to show the trend of prices (include the home that sold for 630k).



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## Long-term Memory Review

### PROFICIENCY PRACTICE: FRIDAY TEST

- 1) Why should one put a set of data in order before beginning to analyze it?

Sale prices of homes recently sold in a Las Vegas neighborhood are:

Prices of homes					
House	1	2	3	4	5
Price	\$331	\$288	\$249	\$300	\$217
Work Area					

- 2) What is the recent mean sale price (*in thousands of dollars*)?

- a) \$249                      b) \$271                      c) \$277                      d) \$288

- 3) How would you find the median sale price (*in thousands of dollars*)?

- 4) If you are selling your home and you want to get the most for the price of your home. Would it be better to advertise the median or mean values of houses in your area? Remember, you are the seller and you want to get the most out of your house. Explain your reasoning.

- 5) What is the best indicator of the prices of homes in a particular area of a city?

- a) mean                      b) median                      c) mode                      d) range

Jill's scores on her first four tests are:

Test Scores					
Tests	Test 1	Test 2	Test 3	Test 4	Test 5
Score	85	101	89	78	?
Work Area					

- 6) If Jill's average on her first five tests was 89. What must Jill have scored on Test 5?

- a) 82                      b) 87                      c) 89                      d) 92