

Name: \_\_\_\_\_ Per: \_\_\_\_\_ Date: \_\_\_\_\_

# Data HOMEWORK #2

**DUE FRIDAY** \_\_\_\_\_

**Homework will be assigned every Friday and will be due the following Friday. This gives you one full week (including a weekend) to complete the homework. There will be a short quiz on content covered in homework each Friday.** I know outside of school you may have extracurricular activities such as music, sports or other activities. I also know some of you have other responsibilities at home that require your time after school. *If you have limited time and would like to complete the whole assignment in one sitting, please do so.* If you would like to do your homework a little at a time, I have provided a daily assignment guide. *I will provide time each class period, for you to ask any questions you have on the homework. Please ask!* Asking questions is part of the learning process. Please don't feel like you are alone in completing your homework. I am here and happy to help! The required sections of the homework should take you no more than 1.5 hours to complete. If it is taking longer, please come see me. *Challenge sections are optional.* If you feel like you want to challenge yourself and are looking to EXCEED beyond the standard PROFICIENT, do the challenge sections.

*Please record how long it took you to complete each section of the homework in the table below.*

| Day of the Week | Required Problems | Optional Challenge | Completed?               | Number of Minutes it took you to complete each section |
|-----------------|-------------------|--------------------|--------------------------|--|
| Friday          | #1, 2             | #3                 | <input type="checkbox"/> |  |
| Monday          | #4,5              | #6                 | <input type="checkbox"/> |  |
| Tuesday         | #7,8              | #9                 | <input type="checkbox"/> |  |
| Wednesday       | #10,11            | #12                | <input type="checkbox"/> |  |
| Thursday        | #13,14            | None ☺             | <input type="checkbox"/> |  |

***I can find the mean of a data set.***

Find the mean for the following data sets. **SHOW ALL WORK!**

1) 12, 14, 11, 10, 17, 16, 14

2) 7, 9, 2, 4, 2, 7, 2, 2, 2

CHALLENGE:

3) 9.9, 10.2, 10.12, 10.1, 10.2, 9.8

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***I can find the median of a data set.***

Find the median of the following data set. **SHOW ALL WORK!**

4) 12, 14, 11, 10, 17, 16, 14

5) 7, 9, 2, 4, 2, 7, 2, 2, 2

CHALLENGE:

6) 9.9, 10.2, 10.12, 10.1, 10.2, 9.8

***I can find the mode of a data set.***

Find the mode for each of the following data sets. **SHOW ALL WORK!**

7) 12, 14, 11, 10, 17, 16, 14

8) 7, 9, 2, 4, 2, 7, 2, 2, 2

CHALLENGE:

9) 9.9, 10.2, 10.12, 10.1, 10.2, 9.8, 10.12, 9.9

***I can find the range of a data set.***

Find the range of the following data sets. **SHOW ALL WORK!**

10) 12, 14, 11, 10, 17, 16, 14

11) 7, 9, 2, 4, 2, 7, 2, 2, 2

CHALLENGE:

12) 9.9, 10.2, 10.12, 10.1, 10.2, 9.8

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***I can find the mean, median, mode and range of a data set.***

Find the mean, median, mode and range of the following data sets. **SHOW ALL WORK!**

13) 102, 100, 107, 106, 102, 101, 112

Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_ Range: \_\_\_\_\_

***Which measure of central tendency (Mean, Media or Mode) best represents the data set? Why?***

14) 23, 22, 20, 20, 28, 29, 28, 21

Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_ Range: \_\_\_\_\_

***Which measure of central tendency (Mean, Media or Mode) best represents the data set? Why?***