Name: Weekly Math Homework - 5 Teacher:

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| **Monday (wk 5)** | **Tuesday (wk 5)** | **Wednesday (wk 5)** | **Thursday (wk 5)** |
| Order of Operations  (64 - 4 ) - 12 + 62 | Order of Operations  ( 2 x 6 - 92 ) - 2 | Order of Operations  (28 - 22 ) - ( 8 - 2 ) | Order of Operations  3 x (14 + 4 ) - 32 |
| How long will it take you to drive 120 miles at a speed of 15 miles per hour? | You drive your car for 4.5 hours at an average speed of 70 miles per hour. How far did you go? | A restaurant took 1/4 of an hour to use 1/10 of a package of napkins. At this rate, how many hours would it take to use the entire package? | A basket of lemons weighed 1/5 of a pound and could make a cup of lemonade that was 1/3 full. How many pounds of lemons would you need to fill up the entire cup? |
| **Round to the nearest tenth.**  **30.678** | **Round to the nearest whole number.**  **8.231** | **Round to the nearest hundredth.**  **87.1673** | **Round to the nearest tenth.**  **52.283** |
| **Tim and Danielle are comparing the amount of miles driven each day over the past 7 days:**   |  |  | | --- | --- | | **Tim** | **Danielle** | | 10 | 12 | | 12 | 7 | | 6 | 9 | | 10 | 12 | | 7 | 6 | | 8 | 4 | | 6 | 10 |   Create a **line plot** for each set of data. Is there a mode for either? If so, what is it? | **Tim and Danielle are comparing the amount of miles driven each day over the past 7 days:**   |  |  | | --- | --- | | **Tim** | **Danielle** | | 10 | 12 | | 12 | 7 | | 6 | 9 | | 10 | 12 | | 7 | 6 | | 8 | 4 | | 6 | 10 |   Who had the higher **mean** number of miles driven? What was it? | **Tim and Danielle are comparing the amount of miles driven each day over the past 7 days:**   |  |  | | --- | --- | | **Tim** | **Danielle** | | 10 | 12 | | 12 | 7 | | 6 | 9 | | 10 | 12 | | 7 | 6 | | 8 | 4 | | 6 | 10 |   What was the difference in the **median** miles each drove? | **Tim and Danielle are comparing the amount of miles driven each day over the past 7 days:**   |  |  | | --- | --- | | **Tim** | **Danielle** | | 10 | 12 | | 12 | 7 | | 6 | 9 | | 10 | 12 | | 7 | 6 | | 8 | 4 | | 6 | 10 |   Who had the higher **range**? What was it? |
| **The weekly earnings for 2 workers is summarized by the box plots below.**  What is the **median** for each worker? What is the difference between the 2? | **The weekly earnings for 2 workers is summarized by the box plots below.**  What is the **lower quartile** (1st quartile) for each worker? What is the difference between the 2? | **The weekly earnings for 2 workers is summarized by the box plots below.**  What is the **upper quartile** (3rd quartile) for each worker? What is the difference between the 2? | **The weekly earnings for 2 workers is summarized by the box plots below.**  Which worker shows more **variability** in his weekly earnings? Explain. |
| **Doug recorded the number of minutes he practiced playing his trumpet each day for 2 weeks.  His data is in the table below.**   |  |  | | --- | --- | | **Week 1** | **Week 2** | | 20 | 15 | | 30 | 20 | | 25 | 30 | | 35 | 25 | | 20 | 30 | | 25 | 20 | | 20 | 10 |   During which week did Doug have a higher **average** number of minutes practiced? | **Doug recorded the number of minutes he practiced playing his trumpet each day for 2 weeks.  His data is in the table below.**   |  |  | | --- | --- | | **Week 1** | **Week 2** | | 20 | 15 | | 30 | 20 | | 25 | 30 | | 35 | 25 | | 20 | 30 | | 25 | 20 | | 20 | 10 |   Create **a box-and-whisker plot** for each data set. Stack plots as shown in previous question. | **Doug recorded the number of minutes he practiced playing his trumpet each day for 2 weeks.  His data is in the table below.**   |  |  | | --- | --- | | **Week 1** | **Week 2** | | 20 | 15 | | 30 | 20 | | 25 | 30 | | 35 | 25 | | 20 | 30 | | 25 | 20 | | 20 | 10 |   Use the box and whisker plot you created. Which week has the greater **range**? What is the difference? | **Doug recorded the number of minutes he practiced playing his trumpet each day for 2 weeks.  His data is in the table below.**   |  |  | | --- | --- | | **Week 1** | **Week 2** | | 20 | 15 | | 30 | 20 | | 25 | 30 | | 35 | 25 | | 20 | 30 | | 25 | 20 | | 20 | 10 |   Use the box and whisker plot you created. What is the difference in the **medians** of the 2 weeks? |