Name: Weekly Math Homework - 5 Teacher:

|  |  |  |  |
| --- | --- | --- | --- |
| **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 Operations3 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? |