Name: Weekly Math Homework - 7 Teacher:

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| **Monday (wk 7)** | **Tuesday (wk 7)** | **Wednesday (wk 7)** | **Thursday (wk 7)** |
| Multiply. You may NOT use a calculator!  41.60  × 2.3 | Multiply. You may NOT use a calculator!  6.41  × 7.2 | Multiply. You may NOT use a calculator!  57.47  × .32 | Multiply. You may NOT use a calculator!  12.5  × .52 |
| What is 50% of 56? Explain your reasoning. | What is 10% of 100?  Explain your reasoning. | What is 25% of 160?  Explain your reasoning. | What is 150% of 80?  Explain your reasoning. |
| **Which letter best shows 2/3? Explain your reasoning.** | **Which letter best shows 2/6? Explain your reasoning.** | **Which letter best shows 1/4? Explain your reasoning.** | **Which letter best shows 4/8? Explain your reasoning.** |
| What is the probability of rolling a 3 or less if the above die is rolled? | Tom says that the probability of spinning a 2 is 1/4 because there are 4 sections. Is he correct? If not, what is the probability of spinning a 2? | All marbles in this bag are white. What is the probability of choosing a white marble from the bag? | What is the probability of spinning a blue on the above spinner? |
| Gina has a bag of colored marbles. Inside, there are 5 green, 7 black, 4 yellow, 5 red, 6 brown, and 3 pink. Choose whether each statement is **true** or **false** and explain your reasoning.  **A**. Gina has a 2/15 chance of choosing yellow**.**  **B.** Gina has a 9/10 chance of choosing a color that is not pink. | Gina has a bag of colored marbles. Inside, there are 5 green, 7 black, 4 yellow, 5 red, 6 brown, and 3 pink. Choose whether each statement is **true** or **false** and explain your reasoning.  **A.** Gina is more likely to choose a brown marble than black**.**  **B.** Gina has a 1/6 chance of choosing red. | Gina has a bag of colored marbles. Inside, there are 5 green, 7 black, 4 yellow, 5 red, 6 brown, and 3 pink. Choose whether each statement is **true** or **false** and explain your reasoning.  **A.** Gina the same chance of choosing green or red**.**  **B.** Gina has a 1/3 chance of choosing red OR green. | Gina has a bag of colored marbles. Inside, there are 5 green, 7 black, 4 yellow, 5 red, 6 brown, and 3 pink. Choose whether each statement is **true** or **false** and explain your reasoning.  **A.** Gina has a 1/5 chance of choosing any color except brown**.**  **B.** Gina has a 1/3 chance of choosing a black OR pink. |
| Below is the data for a survey of the number of minutes it takes men and women to get ready for work.  Men: 20, 30, 15, 45, 25, 60, 25  Women: 35, 40, 60, 45, 35, 60, 45  How many more minutes **on average** do women spend getting ready than men? | Below is the data for a survey of the number of minutes it takes men and women to get ready for work.  Men: 20, 30, 15, 45, 25, 60, 25  Women: 35, 40, 60, 45, 35, 60, 45  What is the difference in **range** of men and women? | Below is the data for a survey of the number of minutes it takes men and women to get ready for work.  Men: 20, 30, 15, 45, 25, 60, 25  Women: 35, 40, 60, 45, 35, 60, 45  Who had the higher median, men or women? What was it? | Below is the data for a survey of the number of minutes it takes men and women to get ready for work.  Men: 20, 30, 15, 45, 25, 60, 25  Women: 35, 40, 60, 45, 35, 60, 45  Use the data to make a **comparative inference** about men and women. |
| **Below is the data for number of minutes Danny spent reading and watching TV for 6 days.**   |  |  | | --- | --- | | Reading | TV | | 90 | 90 | | 40 | 60 | | 60 | 30 | | 25 | 45 | | 30 | 90 | | 70 | 30 |   On which activity does Danny spend more time doing on average? What is the difference? | **Below is the data for number of minutes Danny spent reading and watching TV for 6 days.**   |  |  | | --- | --- | | Reading | TV | | 90 | 90 | | 40 | 60 | | 60 | 30 | | 25 | 45 | | 30 | 90 | | 70 | 30 |   Create **a box-and-whisker plot** for each data set. Stack plots on the same number line. | **Below is the data for number of minutes Danny spent reading and watching TV for 6 days.**   |  |  | | --- | --- | | Reading | TV | | 90 | 90 | | 40 | 60 | | 60 | 30 | | 25 | 45 | | 30 | 90 | | 70 | 30 |   Use the box and whisker plot you created. Which activity has the greater **range** in minutes? What is the difference? | **Below is the data for number of minutes Danny spent reading and watching TV for 6 days.**   |  |  | | --- | --- | | Reading | TV | | 90 | 90 | | 40 | 60 | | 60 | 30 | | 25 | 45 | | 30 | 90 | | 70 | 30 |   Use the box and whisker plot you created. What is the difference in the **medians** of the 2 activities? |