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, 45How 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, 45What 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, 45Who 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, 45Use 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? |