Name: Weekly Math Homework - 10 Teacher:

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| **Monday (wk 10)** | **Tuesday (wk 10)** | **Wednesday (wk 10)** | **Thursday (wk 10)** |
| Find the 1st, 2nd (median) and 3rd quartile of the set of numbers. Create a box-and- whisker plot with the data.  4 , 8 , 3 , 1 , 4 , 10 , 4 | Find the 1st, 2nd (median) and 3rd quartile of the set of numbers. Create a box-and- whisker plot with the data.  10 , 1 , 2 , 9 , 3 , 9 , 5 | Find the 1st, 2nd (median) and 3rd quartile of the set of numbers. Create a box-and- whisker plot with the data.  91 , 42 , 59 , 90 , 55 , 45 , 73 | Find the 1st, 2nd (median) and 3rd quartile of the set of numbers. Create a box-and- whisker plot with the data.  10 , 2 , 10 , 9 , 7 , 9 |
| The above spinner has 8 equal sections. What is the probability of the arrow stopping on a section labeled 2? | Fifty students are surveyed about the science class they are taking. Here is the data:  Tell whether the following statements are true or false and explain your reasoning.  A. About 20% of students are taking Chemistry.  B. About twice as many students are taking Health Science than Physics. | Fifty students are surveyed about the science class they are taking. Here is the data:  Tell whether the following statements are true or false and explain your reasoning.  A. For every 150 students, we could predict that at least 18 of the students are taking Physics.  B. For every 25 students, we could predict that at least 4 of the students are taking Earth Science. | |  |  | | --- | --- | | < 1/3 | >  1/3 | |  |  |   The above spinner has 8 equal sections. Place the numbers 1-4 in the correct column to show the probability of spinning each number. |
| Which of the statements below could be represented by the expression -5 + 8? Write true or false and explain.  A. Mike dove down 5 feet, then swam up 8 feet  B. Jessica earned $5 at her job, then spent $8 on pizza. | Which of the statements below could be represented by the expression -10 -7? Write true or false and explain.  A. The temperature fell 10 degrees overnight, then increased 7 degrees during the day.  B. Jennifer spent $10 for a shirt, then spent $7 on lunch. | Which of the statements below could be represented by the expression -20 + 10? Write true or false and explain.  A. The football team lost 20 yards, then gained 10 yards.  B. Cindy spent $20 on groceries, then spent $10 at the movies. | Which of the statements below could be represented by the expression -12 + (-10)? Write true or false and explain.  A. Bob scored 12 points on his video game, then lost 10 points.  B. Emma owes $12 to her friend and $10 to her dad. |
| Write the letter that corresponds to each value on the chart.  A. 11 dimes and 23 nickels  B. 14 nickels and 7 quarters  C. 6 quarters and 25 pennies   |  |  | | --- | --- | | Less than  $2.00 | Greater than  $2.00 | |  |  | |  |  | |  |  | | Write the letter that corresponds to each value on the chart.  A. 13 dimes and 10 quarters  B. 22 nickels and 17 dimes  C. 11 quarters and 62 pennies   |  |  | | --- | --- | | Less than  $3.50 | Greater than  $3.50 | |  |  | |  |  | |  |  | | Write the letter that corresponds to each value on the chart.  A. 26 dimes and 14 quarters  B. 43 nickels and 18 dimes  C. 12 quarters and 32 nickels   |  |  | | --- | --- | | Less than  $5.00 | Greater than  $5.00 | |  |  | |  |  | |  |  | | Write the letter that corresponds to each value on the chart.  A. 6 quarters and 27 dimes  B. 32 nickels and 16 dimes  C. 9 quarters and 52 pennies   |  |  | | --- | --- | | Less than  $3.25 | Greater than  $3.25 | |  |  | |  |  | |  |  | |
| Which expressions have a sum of 0? **Show on a number line.**  A. 7 + (-7)  B. -4 + (-4) | Which expressions have a sum of 0? **Show on a number line.**  A. 6 - (-6)  B. -3 +(-3) | Which expressions have a sum of 0? **Show on a number line.**  A. -8 - (-8)  B. -2 + (-2) | Which expressions have a sum of 0? **Show on a number line.**  A. -3 - (-3)  B. 5 - (-5) |
| Which number makes this true? -2.5 + \_\_\_\_\_ = a positive number.  A. -3.6  B. 4.2 | Which number makes this true? 6.8 + \_\_\_\_\_ = a negative number.  A. -5.4  B. -7.2 | Which number makes this true? -4.1 + \_\_\_\_\_ = a negative number.  A. -2.6  B. 5.2 | Which number makes this true? -3.6 + \_\_\_\_\_ = a positive number.  A. 4.6  B. 2.4 |