Name: Weekly Math Homework - 11 Teacher:

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| **Monday (wk 11)** | **Tuesday (wk 11)** | **Wednesday (wk 11)** | **Thursday (wk 11)** |
| These dot plots show the number of push ups each student was able to do last month and this month.  What is the mean for each month? What is the difference in the means? | These dot plots show the number of push ups each student was able to do last month and this month.  What is the median for each month? What is the difference in the medians? | These dot plots show the number of push ups each student was able to do last month and this month.  What is the mode for each month? What is the difference in the modes? | These dot plots show the number of push ups each student was able to do last month and this month.  What is the range for each month? What is the difference in the ranges? |
| A representative sample of 40 people were surveyed. Each person was asked which of the following outdoor activities he or she preferred. Here is the data.   |  |  | | --- | --- | | **Activity** | **# of People** | | Jogging | 8 | | Hiking | 6 | | Swimming | 5 | | Biking | 7 | | Walking | 14 |   Choose whether the statements are true or false and explain.  A. 20% of people prefer jogging.  B. Twice as many people prefer walking than jogging. | A representative sample of 40 people were surveyed. Each person was asked which of the following outdoor activities he or she preferred. Here is the data.   |  |  | | --- | --- | | **Activity** | **# of People** | | Jogging | 8 | | Hiking | 6 | | Swimming | 5 | | Biking | 7 | | Walking | 14 |   Choose whether the statements are true or false and explain.  A. In a group of 20 people, it is expected that 2 people will prefer jogging.  B. Twice as many people prefer walking than biking. | A representative sample of 40 people were surveyed. Each person was asked which of the following outdoor activities he or she preferred. Here is the data.   |  |  | | --- | --- | | **Activity** | **# of People** | | Jogging | 8 | | Hiking | 6 | | Swimming | 5 | | Biking | 7 | | Walking | 14 |   Choose whether the statements are true or false and explain.  A. In a group of 120 people, it is expected that 15 people prefer swimming.  B. 15% of people prefer hiking. | A representative sample of 40 people were surveyed. Each person was asked which of the following outdoor activities he or she preferred. Here is the data.   |  |  | | --- | --- | | **Activity** | **# of People** | | Jogging | 8 | | Hiking | 6 | | Swimming | 5 | | Biking | 7 | | Walking | 14 |   Choose whether the statements are true or false and explain.  A.30% of people prefer walking.  B. In a group of 80 people, it is expected that 14 people will prefer biking. |
| Which of the statements below could be represented by the expression -8 + (-12)? Write true or false and explain.  A. Peter spent $8 for lunch, then earned $12 at his job.  B. Jill owes her mom $8 and owes her friend $12. | Which of the statements below could be represented by the expression 9 + (-3)? Write true or false and explain.  A. Jamie gained 9 pounds, then lost 3 pounds.  B. Tim bought 9 bananas and gave 3 to his brother. | Which of the statements below could be represented by the expression -4 + 10? Write true or false and explain.  A. Jim dove down 4 feet, then swam up 10 feet  B. Ellie scored 4 points in basketball Saturday, then scored 10 points Sunday. | Which of the statements below could be represented by the expression -12 -6? Write true or false and explain.  A. Frank bought 12 candy bars, then gave 6 away to his friends.  B. Sandra earned $12 at her job, then spent $6 for lunch. |
| Write the letter that corresponds to each value on the chart.  A. 13 quarters and 35 pennies  B. 15 dimes and 6 quarters  C. 23 nickels and 10 quarters   |  |  | | --- | --- | | Less than  $3.50 | Greater than  $3.50 | |  |  | | Write the letter that corresponds to each value on the chart.  A. 15 quarters and 15 dimes  B. 45 nickels and 23 dimes  C. 16 quarters and 85 pennies   |  |  | | --- | --- | | Less than  $5.00 | Greater than  $5.00 | |  |  | | Write the letter that corresponds to each value on the chart.  A. 14 quarters and 26 nickels  B. 32 nickels and 27 dimes  C. 15 quarters and 62 pennies   |  |  | | --- | --- | | Less than  $4.25 | Greater than  $4.25 | |  |  | | Write the letter that corresponds to each value on the chart.  A. 7 quarters and 22 dimes  B. 47 nickels and 7 dimes  C. 6 quarters and 78 pennies   |  |  | | --- | --- | | Less than  $3.00 | Greater than  $3.00 | |  |  | |
| Which expressions have a sum of 0? **Show a model.**  A. 5 + (-5) B. -8 + 8 | Which expressions have a sum of 0? **Show a model.**  A. -3 - (-3) B. 6 -(-6) | Which expressions have a sum of 0? **Show a model.**  A. 2 + (-2) B. -7 - (-7) | Which expressions have a sum of 0? **Show a model.**  A. -4 +(-4) B. 8 + (-8) |
| Tell which type of integer problem: same signs, different signs positive answer, different signs negative answer, or subtract a negative. Then solve.  A. -45 + (-23) C. -23 - (-42)  B. 32 - 56 D. -27- 56 | Tell which type of integer problem: same signs, different signs positive answer, different signs negative answer, or subtract a negative. Then solve.  A. 64 + (-42) C. -66 -44  B. -55 - (-74) D. 48- 64 | Tell which type of integer problem: same signs, different signs positive answer, different signs negative answer, or subtract a negative. Then solve.  A. 62 -(-38) C. -23 - (-42)  B. -18 + (-46) D. -27- 56 | Tell which type of integer problem: same signs, different signs positive answer, different signs negative answer, or subtract a negative. Then solve.  A. -80 + (-22) C. -44 - (-22)  B. -65 + 56 D. 29 - 50 |