Name: Weekly Math Homework - 12 Teacher:

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| **Monday (wk 12)** | **Tuesday (wk 12)** | **Wednesday (wk 12)** | **Thursday (wk 12)** |
| Below is the data comparing the winter low temperatures in 2 different cities over a week.

|  |  |
| --- | --- |
| **Chicago** | **New York City** |
| -6 | 4 |
| -10 | -10 |
| 5 | 3 |
| 7 | -9 |
| -5 | -10 |
| 3 | 2 |
| -1 | -6 |

Find the average temperature for each city. What is the difference in the mean? | Below is the data comparing the winter low temperatures in 2 different cities over a week.

|  |  |
| --- | --- |
| **Chicago** | **New York City** |
| -6 | 4 |
| -10 | -10 |
| 5 | 3 |
| 7 | -9 |
| -5 | -10 |
| 3 | 2 |
| -1 | -6 |

Find the median temperature for each city. What is the difference in the median? | Below is the data comparing the winter low temperatures in 2 different cities over a week.

|  |  |
| --- | --- |
| **Chicago** | **New York City** |
| -6 | 4 |
| -10 | -10 |
| 5 | 3 |
| 7 | -9 |
| -5 | -10 |
| 3 | 2 |
| -1 | -6 |

Find the range for each city. What is the difference in the range? | Below is the data comparing the winter low temperatures in 2 different cities over a week.

|  |  |
| --- | --- |
| **Chicago** | **New York City** |
| -6 | 4 |
| -10 | -10 |
| 5 | 3 |
| 7 | -9 |
| -5 | -10 |
| 3 | 2 |
| -1 | -6 |

What conclusion can you draw about the temperatures of these 2 cities based on this data? |
| **Draw a model to solve.**How many one-fourth cup servings are in 3 cups of pecans? | **Draw a model to solve.**Tommy ran  miles. He stopped every  miles to drink water. How many times did Tommy stop to drink water? | **Draw a model to solve.**A cookie recipe calls for  cups of sugar. How much sugar would you need to double the recipe? | **Draw a model to solve.**A pizzeria had 4 cans of tomato sauce. How many pizzas could they make with the cans if each pizza took one-fourth ofa can? |
| **Write the decimal equivalent.** | **Write the decimal equivalent.** | **Write the decimal equivalent.** | **Write the decimal equivalent.**  |
| **Write the fraction equivalent.****Simplify if possible.** **.06** | **Write the fraction equivalent. Simplify if possible.** .35 | **Write the fraction equivalent.****Simplify if possible.** .008 | **Write the fraction equivalent.****Simplify if possible.** .15 |
| Write the letter that corresponds to each value on the chart.A. 10 quarters and 14 dimesB. 18 dimes and 66 penniesC. 7 quarters and 33 nickels

|  |  |
| --- | --- |
| Less than$2.75 | Greater than$2.75 |
|  |  |

 | Write the letter that corresponds to each value on the chart.A. 44 nickels and 12 dimesB. 13 quarters and 45 penniesC. 22 dimes and 9 quarters

|  |  |
| --- | --- |
| Less than$4.00 | Greater than$4.00 |
|  |  |

 | Write the letter that corresponds to each value on the chart.A. 13 quarters and 23 dimesB. 11 quarters and 44 nickelsC. 34 dimes and 62 pennies

|  |  |
| --- | --- |
| Less than$4.75 | Greater than$4.75 |
|  |  |

 | Write the letter that corresponds to each value on the chart.A. 8 quarters and 62 penniesB. 27 dimes and 32 nickelsC. 5 quarters and 26 dimes

|  |  |
| --- | --- |
| Less than$3.50 | Greater than$3.50 |
|  |  |

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| Tell which type of integer problem: same signs, different signs positive answer, different signs negative answer, or opposite of a negative. Then solve. A. 25 - 64 C. -35 + 43B. -32 - 25 D. -34- (-26) | Tell which type of integer problem: same signs, different signs positive answer, different signs negative answer, or opposite of a negative. Then solve. A. -26 + (-53) C. -52 + (-48)B. 54 - (-24) D. -22 + 40 | Tell which type of integer problem: same signs, different signs positive answer, different signs negative answer, or opposite of a negative. Then solve. A. -30 - 34 C. 40-55B. -16 + (-62) D. -21 +(- 44) | Tell which type of integer problem: same signs, different signs positive answer, different signs negative answer, or opposite of a negative. Then solve. A. -60 + (-15) C. -24 - (-20)B. 25 - 53 D. -23 - 55 |
| **Draw a model. Write an equation and a complete sentence to answer the question.** A football team lost 6 yards on each of 4 consecutive plays. What is the total change in position for the 4 plays? | **Draw a model. Write an equation and a complete sentence to answer the question.** A group of hikers descended a total of 480 feet down a mountain in 6 hours. If they traveled a constant rate, how many feet did they descend per hour? | **Draw a model. Write an equation and a complete sentence to answer the question.** Katie needs to withdraw money from her account each week to pay for groceries. If she withdraws $50 each week, how much money will she have withdrawn after 6 weeks? | **Draw a model. Write an equation and a complete sentence to answer the question.** The temperature fell a total of 36 degrees at a constant rate of 3 degrees per hour. How long did it take to drop 36 degrees? |
| Solve:A. -6(5) C. B. -4(-6) D. -48-6 | Solve:A.  C. -3(-5)B. 5(-7) D. -648 | Solve:A. -72-8 C. -6(6)B.  D. -4(-4) | Solve:A. -6(7) C. B. -3(-3) D. -497 |