Name: Weekly Math Homework - 18 Teacher:

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| **Monday (wk 18)** | **Tuesday (wk 18)** | **Wednesday (wk 18)** | **Thursday (wk 18)** |
| 1. Alex claims that when is **divided** by a fraction, the result will be **greater** than . To convince Alex that this is only sometimes true, create 2 equations:  A. Write an equation showing Alex's statement is true.  B. Write an equation showing Alex's statement is false. | 1. Alex claims that when is **multiplied** by a fraction, the result will be **less than** . To convince Alex that this is only sometimes true, create 2 equations:  A. Write an equation showing Alex's statement is true.  B. Write an equation showing Alex's statement is false. | 1. Alex claims that when is **divided** by a fraction, the result will be **greater** than . To convince Alex that this is only sometimes true, create 2 equations:  A. Write an equation showing Alex's statement is true.  B. Write an equation showing Alex's statement is false. | 1. Alex claims that when is **multiplied** by a fraction, the result will be **less than** . To convince Alex that this is only sometimes true, create 2 equations:  A. Write an equation showing Alex's statement is true.  B. Write an equation showing Alex's statement is false. |
| 2. Which number line model represents the sum of | **2.**  Which number line model represents the sum of | **2.**  Which number line model represents the sum of | **2** Which number line model represents the sum of |
| 3. Aimee has $10.00 to spend on school supplies. The following table shows the price of each item in the school store (no sales tax). Determine if Aimee can buy the combination of items with her $10.00. Show work.   |  |  | | --- | --- | | **Item** | **Price** | | **Eraser** | **$.89** | | **Folder** | **$1.29** | | **Notebook** | **$2.35** | | **Pen** | **$0.70** |   A. 5 folders and 5 pens  B. 6 pens and 6 erasers | 3. Aimee has $10.00 to spend on school supplies. The following table shows the price of each item in the school store (no sales tax). Determine if Aimee can buy the combination of items with her $10.00. Show work.   |  |  | | --- | --- | | **Item** | **Price** | | **Eraser** | **$.89** | | **Folder** | **$1.29** | | **Notebook** | **$2.35** | | **Pen** | **$0.70** |   A. 1 pen and 4 notebooks  B. 3 folders and 7 erasers | 3. Aimee has $10.00 to spend on school supplies. The following table shows the price of each item in the school store (no sales tax). Determine if Aimee can buy the combination of items with her $10.00. Show work.   |  |  | | --- | --- | | **Item** | **Price** | | **Eraser** | **$.89** | | **Folder** | **$1.29** | | **Notebook** | **$2.35** | | **Pen** | **$0.70** |   A. 4 folders and 2 notebooks  B. 5 erasers and 4 folders | 3. Aimee has $10.00 to spend on school supplies. The following table shows the price of each item in the school store (no sales tax). Determine if Aimee can buy the combination of items with her $10.00. Show work.   |  |  | | --- | --- | | **Item** | **Price** | | **Eraser** | **$.89** | | **Folder** | **$1.29** | | **Notebook** | **$2.35** | | **Pen** | **$0.70** |   A. 3 notebooks and 6 pens  B. 6 erasers and 2 notebooks |
| **4.**   |  |  | | --- | --- | | **Type of Candy** | **Number of Students** | | Chocolate Chews | 20 | | Fruit Bursts | 15 | | Mint Crèmes | 30 | | Peanut Buddies | 10 |   **Select the statements that are valid based on the survey above.**  A. 20% of students surveyed chose fruit bursts as their favorite candy.  B. For every 150 students, we could predict that 30 students would prefer peanut buddies. | 4.   |  |  | | --- | --- | | **Type of Candy** | **Number of Students** | | Chocolate Chews | 20 | | Fruit Bursts | 15 | | Mint Crèmes | 30 | | Peanut Buddies | 10 |   **Select the statements that are valid based on the survey above.**  A. About twice as many students prefer Chocolate Chews than prefer Fruit Bursts.  B. One-third of students prefer either Fruit Bursts or Peanut Buddies. | 4.   |  |  | | --- | --- | | **Type of Candy** | **Number of Students** | | Chocolate Chews | 20 | | Fruit Bursts | 15 | | Mint Crèmes | 30 | | Peanut Buddies | 10 |   **Select the statements that are valid based on the survey above.**  A. 40% of students surveyed chose Mint Crèmes as their favorite candy.  B. For every 225 students, we could predict that 60 students would prefer Chocolate Chews. | 4.   |  |  | | --- | --- | | **Type of Candy** | **Number of Students** | | Chocolate Chews | 20 | | Fruit Bursts | 15 | | Mint Crèmes | 30 | | Peanut Buddies | 10 |   **Select the statements that are valid based on the survey above.**  A. About three times as many students prefer Mint Crèmes than prefer Peanut Buddies.  B. One-half of students surveyed prefer Mint Crèmes. |
| **5. Solve**  A.  B. | **5. Solve**  A.  B. | **5. Solve**  A.  B. | **5. Solve**  A.  B. |
| **6. Solve**  A.  B. | **6. Solve**  A.  B. | **6. Solve**  A.  B. | **6. Solve**  A.  B. |
| **7. Solve:**  A. 24 - (-18) C.  B. 18 - 42 D. -8 (-3) | **7. Solve:**  A.  C. 5(-4)  B. -22+(-35) D. -38 + 54 | **7. Solve:**  A. -25 + (-15) C. -4 (-7)  B.  D. 52 - (-24) | **7. Solve:**  A. -8(6) C.  B. -80 + 62 D. -46 - (-26) |