Name: Weekly Math Homework - 26 Teacher:

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| **Monday (wk 26)** | **Tuesday (wk 26)** | **Wednesday (wk 26)** | **Thursday (wk 26)** |
| 1. Brad incorrectly solves the equation 2(2x + 3) = 22. Select all the steps that show an error **based on the previous step.** Then solve the equation correctly.2(2x + 3) = 224x + 6 = 22 STEP 14x = 22 + 6 STEP 24x = 28 STEP 3 x = 28-4 STEP 4 x = 24 STEP 5  | 1. Molly incorrectly solves the equation (x + 8) = 6. Select all the steps that show an error **based on the previous step.** Then solve the equation correctly.(x + 8) = 6 x + 8 = 6 STEP 1x = 6 - 8 STEP 2x = 2 STEP 3 x = 22 STEP 4 x = 1 STEP 5  | 1. Jack incorrectly solves the equation -4(x - 5) = -12. Select all the steps that show an error **based on the previous step.** Then solve the equation correctly.-4(x - 5) = -12-4x - 20 = -12 STEP 1-4x = -12 + 20 STEP 2-4x = -32 STEP 3 x = -32 4 STEP 4 x = -8 STEP 5  | 1. Amy incorrectly solves the equation (x + 16) = 8. Select all the steps that show an error **based on the previous step.** Then solve the equation correctly.(x + 16) = 8x + 4 = 8 STEP 1x = 8 + 4 STEP 2x = 12 STEP 3 x = 12  4 STEP 4 x = 3 STEP 5  |
| 2. Jack's mother gave him 50 chocolates to give to his friends at his birthday party. He gave 3 chocolates to each of his friends and still had 2 chocolates left. Write and solve an equation to determine the number of friends (x) at Jack's party.  | 2. Frank and Carlos play on a basketball team together. In the last game, Frank had 7 points less than 2 times as many points as Carlos. Frank scored 31 points in the game. Write and solve an equation to determine the number of points (c) Carlos scored in the last game.  | 2. Floyd is an aspiring music artist. He has a record contract that pays him a base rate of $200 per month and an additional $12 for each album he sells. Last month, he earned a total of $644. Write and solve an equation to determine the number of albums (a) Floyd sold last month.  | 2. Last month, Margo bought a tree that grows 2.5 cm each day. It was 5 cm tall when she bought it and now it is 65 cm tall. Write and solve an equation to determine the number of days (d) Margo has owned the plant.  |
| **3. Solve**A.  B.  | **3. Solve**A.  B. | **3. Solve**A.  B.  | **3. Solve**A.  B.  |
| **4. Solve**A.  B.  | **4. Solve** A.  B.  | **4. Solve** A.  B.  | **4. Solve** A.  B.  |
| 5. Here's the data showing the high temperature in two major cities for 2 weeks.**San Diego:** 84, 76, 89, 83, 77, 94, 84, 88, 87, 74, 76, 99, 85, 84, **San Francisco:** 76, 75, 84, 95, 82, 94, 86, 76, 87, 74, 76, 90, 80, 76, What is the difference in the **median** temperatures of the 2 cities? | 5. Here's the data showing the high temperature in two major cities for 2 weeks.**San Diego:** 84, 76, 89, 83, 77, 94, 84, 88, 87, 74, 76, 99, 85, 84, **San Francisco:** 76, 75, 84, 95, 82, 94, 86, 76, 87, 74, 76, 90, 80, 76, On **average**, which city had the highest temperature? | 5. Here's the data showing the high temperature in two major cities for 2 weeks.**San Diego:** 84, 76, 89, 83, 77, 94, 84, 88, 87, 74, 76, 99, 85, 84, **San Francisco:** 76, 75, 84, 95, 82, 94, 86, 76, 87, 74, 76, 90, 80, 76, What is the **mode** for each set of data? | 5. Here's the data showing the high temperature in two major cities for 2 weeks.**San Diego:** 84, 76, 89, 83, 77, 94, 84, 88, 87, 74, 76, 99, 85, 84, **San Francisco:** 76, 75, 84, 95, 82, 94, 86, 76, 87, 74, 76, 90, 80, 76, What is the difference in the **range** of temperatures for each city? |
| 6. Mike does not want to spend more than $18.00 on a new shirt. Select all of the following descriptions of prices for shirts Mike would buy.A. 10% off $19B. 15% off $20C. 20% off $23C. 25% off $28 | 6. Dave buys a baseball for $15 plus 8% tax. Mel buys a football for $20 plus 8% tax. What is the difference in the amounts Dave and Mel pay including tax? Round your answer to the nearest cent. | 6. A store is having a sale. Each customer receives either a 15% discount on purchases under $100 or a 20% discount on purchases of $100 or more. Kelly is purchasing some clothes for $96.60 before the discount. She decides to buy the fewest packs of gum for $0.79 each that will increase her purchase to over $100. How much less will Kelly pay by purchasing the gum instead of just the clothes? | 6. Rick bought 3 shirts for $18 each, 2 pair of socks for $3.99 a pair, and a pair of jeans for $45. The sales tax rate is 8.5%. What was the total amount Rick paid?  |
| 7. David uses cup of apple juice for every  cup of cranberry juice to make a fruit drink. Enter the number of cups of apple juice David uses for 1 cup of cranberry juice.  | 7. A train traveled  of the distance between 2 cities in  of an hour. At this rate, how many hours will it takethe train to travel the entire distance between the 2 cities?  | 7. A machine packs boxes at a constant rate of  of a box every of a minute. What is the number of boxes per minute that the machine packs? | 7. Sue walked  of a mile in  of an hour. At this rate, how long will it take sue to walk a full mile? |
| 8. A store sells  pound of bacon for $1.25. You need to buy 5 pounds. How much will you pay?  | 8. A store sells  pound of almonds for $2.50. You need to buy 2 pounds. How much will you pay?  | 8. A store sells  pound of cheese for $1.75. You need to buy 4 pounds. How much will you pay?  | 8. A store sells  pound of granola for $1.50. You need to buy 3 pounds. How much will you pay?  |