Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Week 15- St. Plus- Homework**

**MONDAY**

Solve the following problems. You *MUST* show your work. ***NO WORK = NO CREDIT.***

|  |  |
| --- | --- |
| 1. Solve the two-step equation.    n + 33= 49               8 | 2. Write the following in exponential form and  evaluate:  A. 8 x8 x 8 x8 x 8=  B. 7 x 7 x7x 7 =  C. 9 x 9x 9 = |
| 3. a) 555 ÷ 5 = b) 8888 ÷ 8 =  c) 34.56 + 98 = d) 101- 0.23= | 4. What is the greatest common factor of 24 and 36? |

**St. Plus- Homework (Tuesday)**

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. Alice earned $29.70 on Monday, $15.25 on Wednesday, and $25.82 on Saturday. How much did she earn in all? | 2. The table below shows the cost of t-shirts per pack.   |  |  | | --- | --- | | T-shirts per pack (x) | Cost (y) | | 6 | $30 | | 7 | $35 | | 8 | $40 |   Write an equation below that could be used to calculate the cost of x t-shirts per pack? |
| 3.Solve and Graph the inequalities   1. 5n – 5 ≤ 25      1. 44y ≤ 132 | 4. What is the least common multiple of 5 and 9? |

**St. Plus- Homework (Wednesday)**

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

|  |  |
| --- | --- |
| 1. Write in expanded form and solve.  a) 54 = 5x5x5x5=  b) 75 = **7x7x7x7x7=**  c) 1420=  d) 3451= | 2. Evaluate.   * 1. (62 ÷ 6)3 =   2. (33 ÷3)2 = |
| 3. Mario Andretti drove 8820 miles for work in 15 days. On average, how many miles per day did Mr. Sampson drive? | 4. Use the distributive property in order to combine the like terms to the following expression:  6  (5a + 9) + 6(3 – a) = |

**St. Plus- Homework (Thursday)**

Solve the following problems **without a calculator**. You *MUST* show your work. ***NO WORK = NO CREDIT.***

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| --- | --- |
| 1. The total admission cost for 55 students to go to the zoo was $440.55. The admission cost was the same for each student. What was the admission cost for each student? | 2. What are the LCM and the GCF of 12 and 36? |
| 3. Complete the table of values: y = 38 + 18x     |  |  | | --- | --- | | *x* | *y* | | 0 | 3 | | 1 |  | | 2 |  | | 3 |  | | 4. Solve: (140 + 2)0 + 2( 32 ÷ 8 +9) + 25 |