Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ # \_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**December Math Puzzlers**

1. Mrs. Poole’s class has earned rewards for the December Compliment chart. Create a line plot with a label and a title for the following class information. (Attach your work on a separate piece of paper.)

Class votes Activity

 4 Extra Recess

 5 Homework Pass

 4 Movie

 6 Classroom Games

1. Technology Time
2. What is the range between the largest and smallest values? \_\_\_\_\_\_\_\_\_\_\_
3. Berkan is singing the “Twelve Days of Christmas” song and says that *12 drummers drumming* is a prime number. Ava says that it is a composite number. Who is correct? Show your work by drawing an array(s).
4. Shadi is visiting relatives in Nanuet, NY to celebrate the holidays. His train leaves the River Edge station at 9:35am and arrives in Nanuet 27 minutes later. What time does he arrive in Nanuet?
5. Jiya is making flower arrangements for her aunt’s baby shower on December 7th. She wants to place 9 flowers in each bouquet. How many flowers does she need to make 8 bouquets?
6. Joshua says 35 penguins divided into 7 equal groups would be 6 penguins in each group. Is he correct? Show an array to correctly display this problem.
7. What is the value of n?
8. 512 – n = 475 n= \_\_\_\_\_\_\_\_
9. 6 \* 9 = n n = \_\_\_\_\_\_\_\_
10. n + 9 = 37 n = \_\_\_\_\_\_\_\_
11. Jonas and his family will visit Times Square for a New Year’s Eve celebration. They arrive in NYC to watch the ball drop at 9:15pm. How long will they need to wait for the ball to drop and to ring in the new year?
12. The fourth grade began the year with 87 students. We currently have 91 students. How many new students did the fourth grade gain from September to December?