

## 2018-19 Puzzle Contests

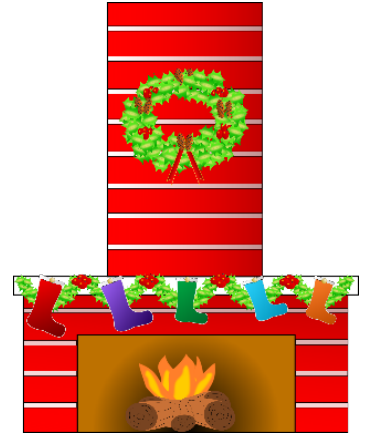
# Contest #3



### Grades K-5 Puzzles:

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1. On Christmas Eve, Mary, her mother, her grandmother, and her doll are sitting in a row in front of the fireplace. The grandmother is sitting next to her granddaughter, but not next to the doll. The doll is not next to Mother. Who is sitting next to Mary? Why? (25 pts)



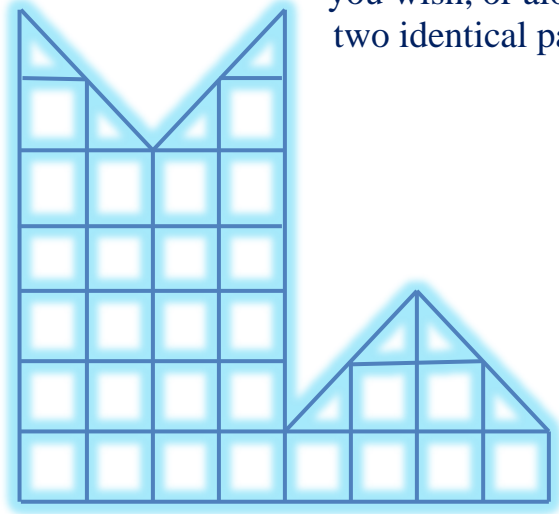
2. Jacob got balance scales for his Hanukkah gift. He began to weigh his toys. One car was balanced by one ball and two dreidels, and the little car and the dreidel balanced 2 balls (all the balls are the same). How many dreidels balance the car? The dreidel is a small four-sided spinning top with a Hebrew letter on each side, used for Hanukkah. (40pts)



Solutions deadline is January 6

Please submit your solutions to [anna.charny@metrowestschool.com](mailto:anna.charny@metrowestschool.com)  
or bring them to the office

3. The Snow Queen is served a cake that has the shape of an iceberg (see the picture). She wants to cut the cake into 2 identical pieces to eat one in the morning and the other later at night. The cake can only be cut through the corners of the squares (but you can cut a cell diagonally if you wish, or along the side). Can you help her cut it into two identical parts? **(35 pts)**



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