

## Home Connections in Mathematics

### Holiday Math: Everyday Math

Involving your child in using numbers to solve problems is an easy and simple way to improve their number sense.

- “Determine the amount of plates and cutlery needed for a family dinner.”
- “We are doubling this recipe. How much of each ingredient will we need?”
- “One store is selling the game you want for 20% off of \$20.00. Another store is selling the same game for \$15.00. Where should we buy the game?”
- How many lights do you think are on the tree? On a string?
- How many chocolates are in the box of chocolates? How many will we each get?
- How many cookies will we have if we bake 4 dozen?
- How many days/hours until Christmas?
- How long will it take to cook the turkey if it takes 20 minutes per kilogram to cook?
- It takes 10 minutes to shovel a quarter of the driveway, how long will it take to shovel it all?
- Will one cup of snow equal one cup of water when it melts?
- How many candy canes does it take to go around the table? Cover the table surface?

### Which One Doesn't Belong?

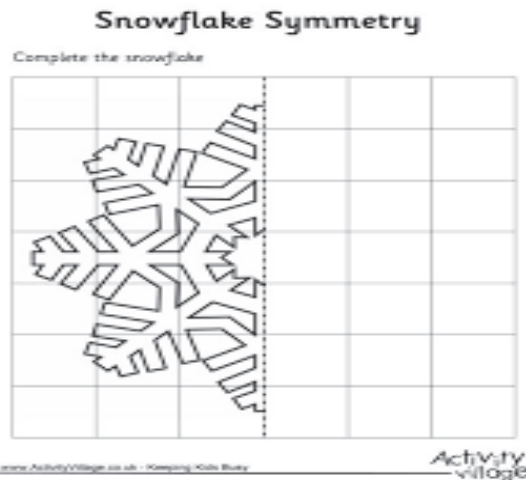
Mathematical reasoning involves classifying objects and justifying that classification. Children can be asked which item in a set does not belong. There are no right or wrong answers as long as your child is able to justify their choice.

Mathematical justification for the images below might include references to shape and size, types of angles, number vertices, faces, etc.



### Decoration Symmetry/Art

Making decorations, such as snowflakes, from folding and cutting paper and investigating symmetry is easy, enjoyable and promotes spatial reasoning in your child.



see: <https://www.math-salamanders.com/symmetry-activities.html> for more activities