

# 8th Grade

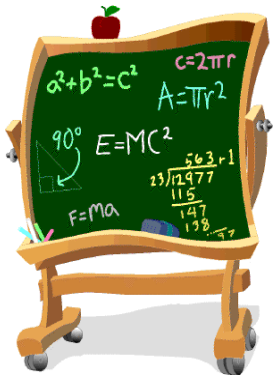
## Mathematics Readiness Skills

*Dear Parents,*

*The following skills listed below will support your child in their next level of mathematics. Try some of the strategies and resources listed below to keep their math skills sharp over the summer!*



- ✓ Addition, subtraction, multiplication, and division of fractions and decimals
- ✓ Addition, subtraction, multiplication, and division of positive and negative numbers
- ✓ Use proportional relationships to solve problems
- ✓ Create and recognized equivalent expressions and use expressions to solve problems
- ✓ Solve problems involving angle measure, area, surface area and volume
- ✓ Calculation of statistical measures (mean, median, mode, range)
- ✓ Find and use probability to understand real-world situations and data



### Math Strategies to Try at Home

- ✓ Flip a coin 100 times and record the outcome. Compare this experimental probability to the theoretical probability (1/2).
- ✓ Categorize the socks in your drawer by color, length, or amount of holes. Calculate the theoretical probability of pulling a sock out of your drawer in the dark for each category. Ask a sibling or friend to close their eyes and pull a sock out of your drawer without looking and record the outcome. Repeat 20 times. Compare this experimental probability to the theoretical probability you already calculated.
- ✓ Calculate the mean, median, mode and range of the ages of the members of your family.
- ✓ Write a different fraction on 20 index cards or small pieces of paper. Shuffle the cards and choose two fractions. Add, subtract, multiply, and divide the fractions. Use a calculator to check your work.

### Math Support Websites for Ideas & Games

*Try these online resources to review and practice these important skills!*

<a href="#">AAA Math</a>	<a href="#">Khan Academy</a>
<a href="#">YouCubed</a>	<a href="#">Be a Learning Hero</a>