

Family Letter

Dear Parent or Guardian:

We may solve equations throughout the day without knowing it. We solve equations to determine how much more money we need to purchase an item or how much time we need to finish our work. The thought process we use to make these decisions is the same process we use to solve equations.

In **Chapter 9, Algebra: Solving Equations**, your child will use addition, subtraction, multiplication, and division to solve equations. Students will also learn to solve two-step equations and how to graph functions. In the study of this chapter, your child will complete a variety of daily classroom assignments and activities and possibly produce a chapter project.

By signing this letter and returning it with your child, you agree to encourage your child by getting involved. Enclosed is an activity you can do with your child that also relates the math we will be learning in Chapter 9 to the real world. You may also wish to log on to the **Online Study Tools** for self-check quizzes, Parent and Student Study Guide pages, and other study help at www.msmath1.net. If you have any questions or comments, feel free to contact me at school.

Sincerely,

Signature of Parent or Guardian _____ Date _____

Family Activity

Using Patterns

Watch the news on television, consult the weather section of a newspaper, or visit a weather-related website. Then work with a family member to collect the high and low temperatures for at least nine cities. Write and solve an equation to find how much warmer the high temperature is than the low temperature.

	City	Low Temperature	High Temperature	Equation	Solution
1.	Austin	72°	91°	$72 + t = 91$	
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

1. The high temperature was 19° warmer. 2-10. Answers will vary.