

Name _____

Generate Equivalent Expressions

Dear Family,

Your child is learning to work with algebraic expressions. He or she will learn to write and evaluate expressions and to write equivalent expressions. Your child will also learn how to write and interpret expressions that represent real-world situations.

Here is an activity you can do with your child to help him or her become more comfortable with algebraic expressions.

Express It!

Take turns with your child writing algebraic expressions that represent real-world situations. For example, if a child is x years old, the expression that represents the age of a cousin who is 5 years older is $x + 5$. If a family's rent is y dollars per month, what expression represents the total rent for one year? After you have written an expression, discuss how you might use it to solve problems. For example, how could you use the expression for your age to find how old you will be when your child graduates from high school?

Observe Your Child

Focus on Mathematical Practices

Look for and make use of structure.

Help your child become proficient with this Mathematical Practice. Have him or her explain the real-world meaning of each part of the expressions.