Section 11.1

Variable: A letter that is used to represent some unknown value.

Constant: a number that does not change. It increases or decreases the value of an expression.

Numerical Coefficient: a number that multiplies the variable.

Expression: Any single number, variable or combination of operations (+,-,x, _)

Equation: 2 Expressions that have equal value. ****NEW****







Identify the variable.

Identify the constant. **Identify the coefficient**

Triple a number minus four.

Let n represent the unknown number of counters in each cup.

Model Drawing	Write as expression or equation	Variable	Coefficient	Constant

Double a number then increased by 4 equals ten.

Let n represent the unknown number of counters in each cup.

Model Drawing	Write as expression or equation	Variable	Coefficient	Constant



Write the 2 expressions that make up this equation.

What is the equation?



Write the 2 expressions that make up this equation.

What is the equation?



If Mathew had \$6 more, then he would be able to purchase a \$34 gift for his sister.

What is the equation?

Write the 2 expressions that make up this equation.

Key Ideas

- An Expression can be a constant, a variable or a <u>combination</u> of constants, variables and coefficients
- An Equation is made up of 2 expressions that are equal to each other.
- Expressions and Equations can both contain constants, variables and coefficients.
- Always identify what your variable stands for.



what does 2x stand for?