

Chapter 3

Addition Property of Equality – if you add the same value from each side of an equation the two sides remain equal

Algebraic Expression – a mathematical expression with one or more variables

Arithmetic Sequence – is formed by adding a fixed number to or subtracting it from each previous term

Conjecture – a prediction about what may happen

Distributive Property – shows how multiplication affects addition or subtraction

Division Property of Equality – if you divide each side of an equation by the same nonzero number the two sides remain equal

Evaluate – an algebraic expression you can replace each variable with a number, then you use order of operations to simplify the expression

Equation – a mathematical sentence that has an equal sign “=”

Inverse Operations – operations that undo each other

Multiplication Property of Equality – if you multiply each side of an equation by the same number the two sides remain equal

Numerical Expression – a mathematical phrase with only numbers and operation symbols

Open Sentence – an equation with one or more variables

Sequence – a set of numbers that follows a pattern

Solution – is the value of the variable that makes the equation true

Subtraction Property of Equality – if you subtract the same value from each side of an equation the two sides remain equal

Term – each number in a pattern

Variable – a symbol that can represent one or more numbers