

# Middle School Grid Games Table of Contents

## Rules for playing Grid Games

### Suggestions

#### I. Operations

##### **Basic Addition**

Solve each basic addition problem involving 2 digits or less

##### **Basic Subtraction**

Solve each basic subtraction problem involving 2 digits or less

##### **Basic Multiplication**

Solve each basic multiplication problem involving 2 digits or less

##### **Basic Division**

Solve each basic division problem, no remainders

##### **Addition**

Solve each addition problem

##### **Subtraction**

Solve each subtraction problem

##### **Multiplication**

Solve each multiplication problem

##### **Division**

Solve each division problem, no remainders

##### **Decimal Add**

Solve each decimal problem involving addition

##### **Decimal Subtract**

Solve each decimal problem involving subtraction

##### **Decimal Multiply**

Solve each decimal problem involving multiplication

##### **Decimal Division**

Solve each decimal problem involving division

##### **Fraction Add and Subtract**

Solve each fraction problem involving addition and subtraction, no borrowing

##### **Fraction Add and Subtract<sup>2</sup>**

Solve each fraction problem involving addition and subtraction, borrowing necessary

##### **Fraction Multiply and Divide**

Solve each fraction problem involving multiplication and division

##### **Integer +-**

Solve each integer expression involving addition and subtraction

##### **Integer \*/**

Solve each integer expression involving multiplication and division

#### II. Expressions and Simplification

##### **Substitution**

Solve each expression involving substitution

##### **Changing Fractions to Decimals and Percents**

Change the given fraction to a percent and/or decimal

##### **Changing Decimals to Fractions and Percents**

Change the given decimal to a fraction and/or percent

# Middle School Grid Games Table of Contents (cont.)

## II. Expressions and Simplification (cont.)

### Changing Percents to Fractions and Decimals

Change the given percent to a fraction and/or decimal

### Exponents

Solve each basic exponent

### Proportions

Solve each proportion problem or story problem

### Inequalities

Identify each inequality graphed on a number line

## III. Linear functions

### Slope 1

Given a graph, find slope

### Slope 2A

Given a line in slope-intercept form, find slope

### Finding m & b

Given a line in slope-intercept form, find slope and y-intercept

### Finding Lines 1

Given slope and y-intercept, find the equation of the line in slope-intercept form

### Finding Lines 2

Given the graph of a line, find the equation of the line in slope-intercept form

## IV. Perimeter, Area, Surface Area and Volume

### Polygons

Find perimeter and area of each polygon

### Circles

Find circumference and area of each circle given radius or diameter

### Surface Area

Find surface area of each prism given

### Volume

Find volume of each prism given

## V. Equations

### One-step Equations

Solve each one step equation

### Two-step Equations

Solve each two step equation