

## 8th Grade Math: January 4, 2016 - January 8, 2016

MON. JAN. 4TH

### Functions

#### Standards

**8.F.1** Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output. *Arkansas*

#### Today's Goal

I can use functions as inputs and outputs.

#### Agenda

##### Guided Practice

Students: Will complete tables of functions as inputs and outputs ([Practice](#)).

TUE. JAN. 5TH

### Functions

#### Standards

**8.F.1** Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output. *Arkansas*

#### Today's Goal

I can complete function tables for equations.

#### Agenda

##### Guided Practice

Students: Will complete function tables for equations ([Practice](#)).

WED. JAN. 6TH

### Functions

#### Standards

**8.F.2** Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions). *Arkansas*

#### Today's Goal

I can compare properties of two functions.

#### Agenda

##### Guided Practice

Students: Will compare properties of two functions ([Practice](#)).

THU. JAN. 7TH

### Functions

#### Standards

Geometry *Arkansas*

**8.F.3** Interpret the equation  $y = mx + b$  as defining a linear function, whose graph is a straight line; give examples of functions that are not linear. *Arkansas*

#### Today's Goal

I can determine if the functions is linear or non-linear.

#### Agenda

##### Guided Practice

##### Notes

Students: Determine if the function is linear or non-linear ([Practice](#)).

FRI. JAN. 8TH

### Functions

#### Standards

**8.F.4** Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two  $(x, y)$  values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values. *Arkansas*

#### Today's Goal

I can describe relationships between variables.

#### Agenda

##### Guided Practice

##### Notes

Students: Model a Linear Relationship ([Practice](#)).