

## Grade 2 Mathematics Unit Preview

### Quarter 4: Algebra, Patterns, and Functions

Objectives: (Your student will be able to)

- **Complete a function table.** For example, the function table in the box to the right shows the rule +2.
- **Represent numbers using operation symbols (+ and -).** For example, Asha had 17 papers. John brought her 6 more. How many does she have now?  $17 + 6 = 23$ .
- **Represent relationships between numbers using relational symbols (<, >, =).** For example,  $120 > 80 + 22$
- **Solve an addition problem with missing elements.** For example,  $8 + \square = 12$

Rule +2	
In	Out
2	4
3	5
4	6
5	7
6	<input type="text"/>
<input type="text"/>	12

Vocabulary: (Words your student will need to understand)

• **Function table:** A table that matches each input value with an output value. The output values are determined by the function (or rule).

• **Equal sign (=):** A symbol used to show that two amounts have the same value.  $384 = 384$

• **Greater than (>):** A symbol used to compare two numbers, with the greater number given first.  
 $25 > 18$ , 25 is greater than 18

• **Less than (<):** A symbol used to compare two numbers, with the lesser number given first.  
 $18 < 25$ , 18 is less than 25

Activities to do with your student (in addition to homework, optional):

- At the grocery store, add produce to a scale to make 1 pound of something. Try different kinds of produce and compare the amounts needed to equal one pound.
- Make a function table. Put numbers in the input. Roll a die or spin a spinner to determine the rule. Apply the rule to the input to find the each output.
- Look at fare charts (like for Metro or Amtrak) and see if you can find a rule that tells how the fares change between stops.
- Ask your child a missing element problem. For example,  $17 +$  what number equals 25.
- Practice addition and subtraction facts.

