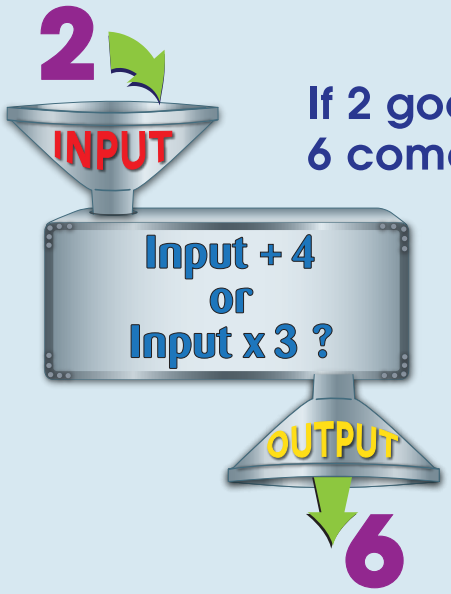
FUNCTIONS

A function is a rule that shows the relationship of one number to another number by indicating whether to add, subtract, multiply, or divide.

This rule, given an input number, will affect the output in a predictable way.

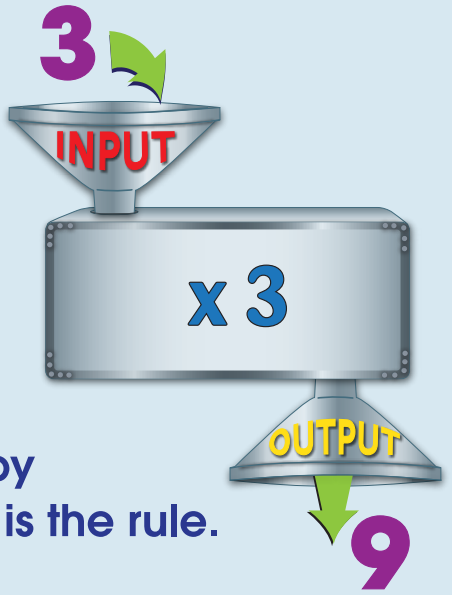
Input	Output
2	6
3	9
5	15
10	30
Rule: ?	



If 2 goes into the function machine and 6 comes out, what **rule**, was applied to the 2?

Was 4 added to the input?
or
Was the input multiplied by 3?

You won't know which **function** is correct until you look at the next set of numbers in the table and try both to see which **rule** applies.



Since multiplying each of the numbers in the *Input* column by 3 results in the number that follows in the *Output* column, x 3 is the rule.

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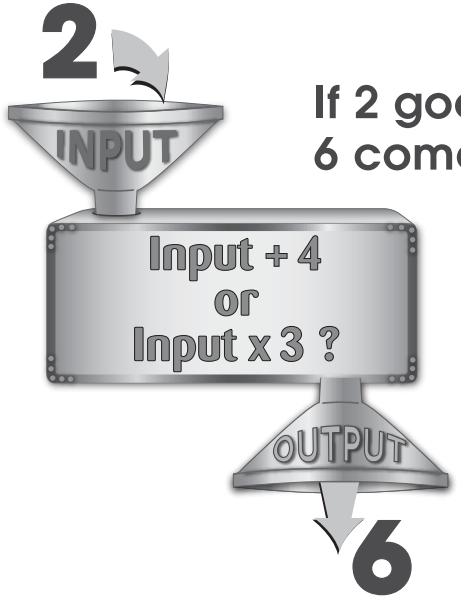

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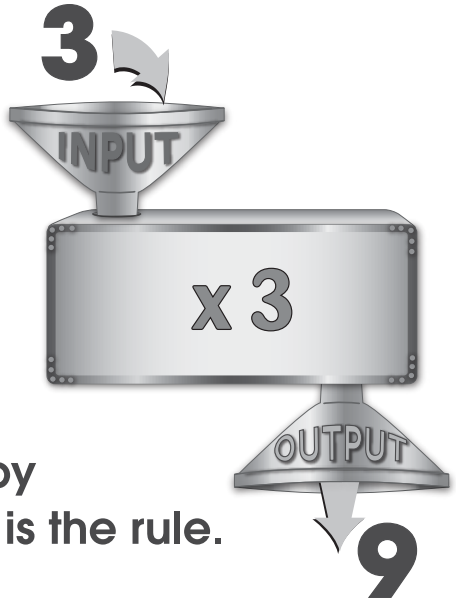

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