

Analyzing Functions Story Problems

Independent Variable: The variable that controls the situation. This is the variable that calls the shots. You can choose whatever values you want within reason for the situation. This is also referred to as the domain, input, or x -value.

Dependent Variable: The variable that relies on the leader, the independent variable. This variable does whatever the independent variable commands. This is also referred to as the range, output or the y -value.

Lets analyze this story with a graph.

Andrew Ruano walked to school today. He woke up groggy, in a very bad mood, and didn't even have time to do his hair. He had a slow start heading to Palm Springs High School. He walked slowly for 5 minutes and stopped for 2 minutes wondering if he forgot something. He realized he forgot his math binder, so he ran back home at quick pace to get it. This took him 3 minutes to get back home. After he grabbed it, he ran back in the direction of the high school to avoid a tardy. He arrived at school at a speedy 10 minutes.

Name the independent and dependent variables:

Independent: _____

Dependent: _____

