Health Science Pathway

Module 10: Interpreting Tables and Graphs

Practice examples:
In each of the following examples, state which of the two variables you would consider to be the dependent variable and which would be the independent variable.

1. An athlete is asked to sprint while wearing a weight belt. Her times over a one hundred metre course are measured for different weights upon the belt?

2. A medical scientist measures the time taken for patients to react to a stimulus and compares it with the age of the patient.

3. An agricultural scientist plants several test plots of a crop. Each plot is given a different amount of fertilizer. The yield of the crop in each plot is measured.

Answers:

1. Weight is the independent variable and time is the dependent variable

2. Age is the independent variable and reaction time is the dependent variable

3. Amount of fertilizer is the independent variable and the crop yield is the dependent variable.