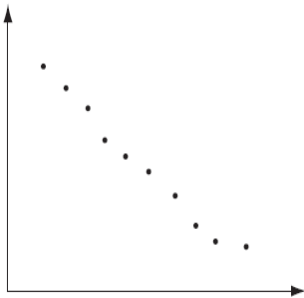


Grade 9 Mathematics Worksheet

Functional relationship

Questions:

1. Below is a scatter plot. Which of the following could be represented by this scatter plot?



- A) The amount of juice produced versus the number of fruits used.
- B) The measure in a rain gauge versus the period it rained.
- C) The amount of petrol left in the car versus the kilometres travelled.
- D) The amount of pollution versus the food we eat.

Grade 9 Mathematics Worksheet

Solution:

1. (C) since the further we drive (horizontal axis) the more petrol we will use, so there will be less left in the car's tank.

For A and B the relationship in the graph is not a positive growth which both scenarios suggest. And D is not at all a causal relationship.