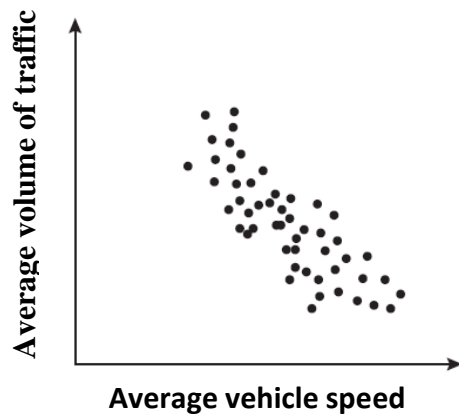


Grade 7 Maths Worksheet

Scatter plots and functional relationships

Questions:

1. The scatter plot below shows the average traffic volumes and the average vehicle speed for a period of time. Which statement best describes this relationship?



- A) The cars drive faster in bigger traffic volumes
- B) The smaller the volume of traffic, the slower the cars drive
- C) The smaller the traffic volumes, the faster the cars drive
- D) As the cars drive faster, the traffic volumes decrease.

Grade 7 Maths Worksheet

Solution

1. The trend is a negative trend. This means in the context of traffic volumes – the smaller the volume of traffic, the faster the average vehicle speed will be. So the answer will be (C).

Here the answer cannot be (D), as driving faster does not necessary decrease the volumes of traffic. It is important to discuss causality here.

Appendix of Assignment Tools

Scatter plots

Trends in graphs

Functional relationships