



Problem of the Week

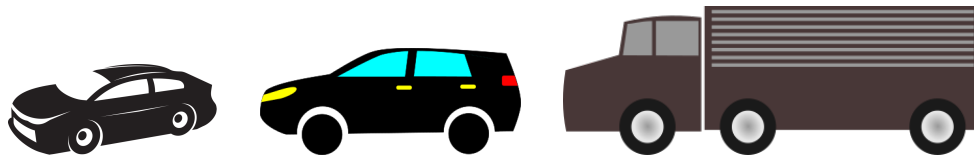
Problem B and Solution

Ingrid's Vehicles

Problem

While waiting in a parking lot, Ingrid began counting vehicles. She discovered that there were 22 cars, 16 SUVs, and 3 trucks.

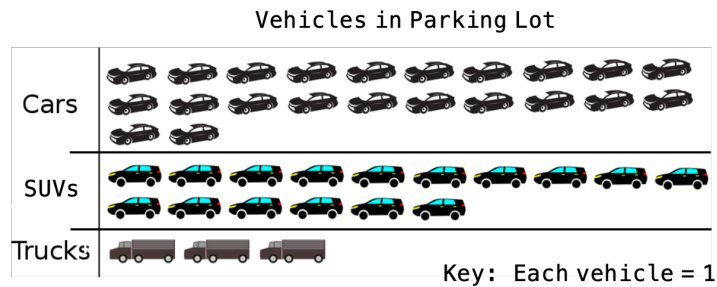
- (a) Create a pictograph, a broken line graph, and a bar graph to represent this data.
- (b) To best communicate this distribution, which graph do you prefer? Why?



Solution

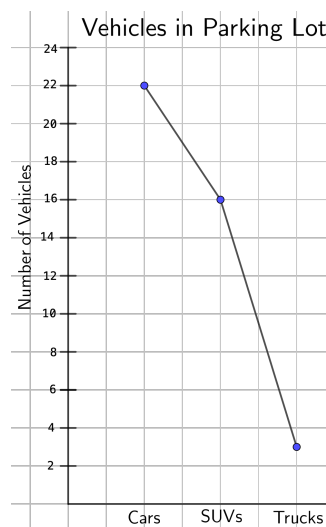
- (a) A pictograph, a broken line graph, and a bar graph are below.

Pictograph:



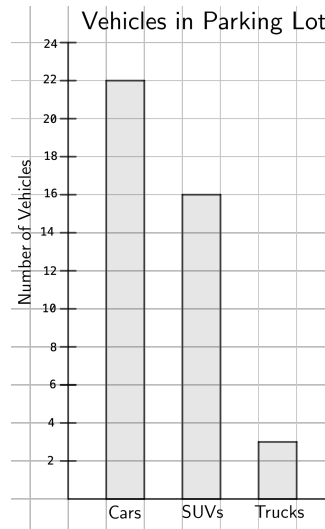
NOTE: The pictograph could be condensed by *unitizing*. For example, each image could be used to represent to two vehicles.

Broken line graph:





Bar graph:



(b) Answers may vary. The bar graph best communicates this distribution as it compares the numbers of vehicles most clearly and concisely.