



Skills Practice

Stage 36: Statistics and Probability

Task 1:

Look at the questions below. Which questions are statistical?

A) How many planets are in our solar system?
 B) How many students in Grant Middle School have smartphones?
 C) How many 12-year olds have smartphones compared with 14-year olds?
 D) What is the temperature like in Alaska in March?
 E) What is the temperature in Tucson, AZ today?

Write an example of a question that is statistical, and one that is NOT statistical.

Task 2:

The plot above shows how much time Kahil spent practicing his guitar over a 2 week period.

What would you say is the typical amount of time Kahil practiced a day during this 2 week period? Why?

What is the median hours practiced?

There is 1 data point at 2 hours. Is this an outlier? Why or why not?





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Task 3:

Lawrence studies hard for his history tests. These are his scores in percents out of 100:

98, 100, 86, 100, 85, 96, 98, 100, 94, and 88.

What is his mean score?

What is his median score?

If Lawrence scores a 76 on his next test, how does that affect his mean and his median score?

