QM213 Week 2 Review Questions

A network administrator is calculating the average of the number of connections through port 25 of a firewall per second; he finds that Excel gives him a value of ____ but wants it expressed to _ significant figures. What's the correct representation?

A network administrator is counting the number of connections through port 80 of a firewall per second; she finds that Excel gives her a value of 23,456 but wants it expressed to 4 significant figures. What's the correct representation using scientific notation (with Excel's E format)?

An economist finds that the calculated mean of a data set is _____. Express this value to _ significant figures.

How many significant figures are there in this number? _____

The minimum profit in a study is about $___M and the maximum profit is about $___M. Which of the following representations of the specific profit of $_____ from a specific company has a reasonable precision for statistical purposes?

When determining the required precision for reporting statistics, we should divide the range into how many steps?

Which number shows the appropriate precision for an observation of _____ denial-of-service attacks per day against a network when the minimum observed is _____ and the maximum is _____?

Which number shows the appropriate precision for reporting data on starship tonnage ranging from _____ to _____ tons?

Which of these is the largest value? *(numbers formatted in scientific notation from Excel)*

Which of these is the smallest value? *(numbers formatted in scientific notation from Excel)*

Which of these numbers is represented with the most precision if they are all correctly representing the same data?