



**Introduction to
Box-and-Whisker
Plots
Foldable**

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Frame by Mercedes Hutchens

<http://www.teacherspayteachers.com/Store/Mercedes-Hutchens>

Instructions

Print or copy page 3 and 4 double sided.

Place the paper so the examples are face down.

Cut along the dotted lines to create flaps.

Flip and fold the flaps inwards.

Glue the foldable into notes or on a piece of construction paper.

Go through the foldable with your students.

**How to make a
box-and-whisker
plot.**

**Use the 5
summaries to**

**box-and-whisker
plot.**

**What is a box
and whisker plot?**

**What are the 5
summaries of a
box-and-whisker
plot?**

**What information
can be found in a
box-and-whisker
plot?**

Preview

**Find the
Range**

**Find the
Median**

**Percentage of
Data**

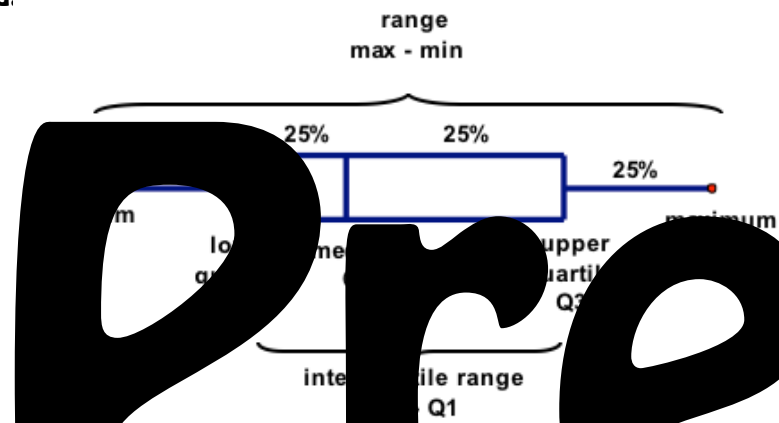
**Find the
Inter-quartile
Range**

A box-and-whisker plot shows the distribution of a set of data dividing it into four equal parts using the median and quartiles. A box-and-whisker displays data using five summaries of the data.

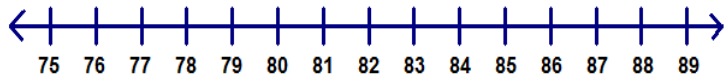
The five summaries are:

- 1) The minimum – the smallest number in the data set.
- 2) The maximum – this largest number in the data set.
- 3) The median (Q2) – the number in the middle when the data is ordered from least to greatest.
- 4) The lower quartile (Q1) – the median of the lower half of the data
- 5) The upper quartile (Q3) – the median of the upper half of the data.

- 1) Make a box and whisker plot given the data below.
60, 66, 65, 69, 68, 66, 64, 68, 65, 62, 67



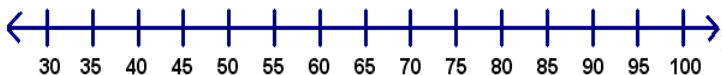
2) What is the median?



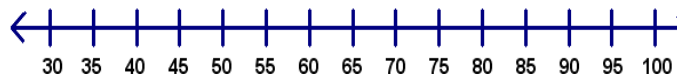
What is the range?



4) What is the inter-quartile range?



5) What percentage of data is between 70 and 100?

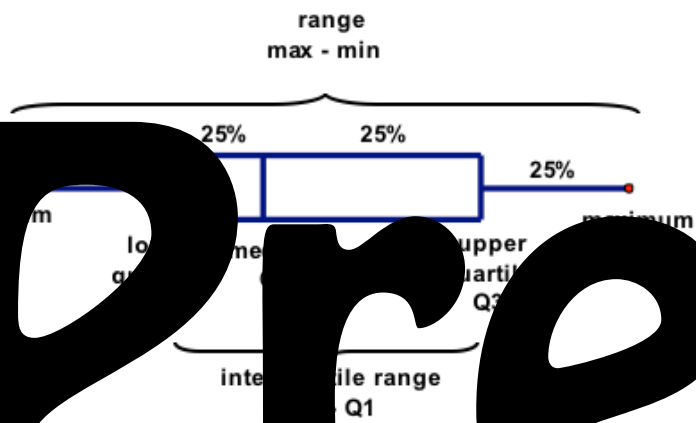


Preview

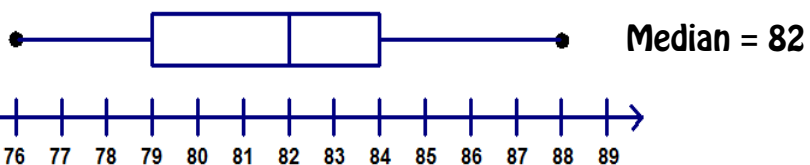
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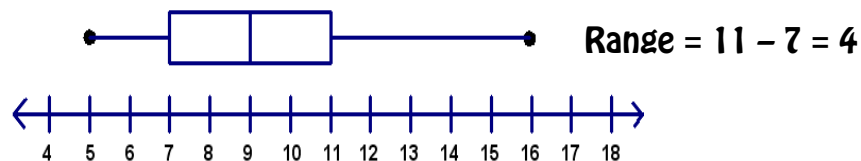
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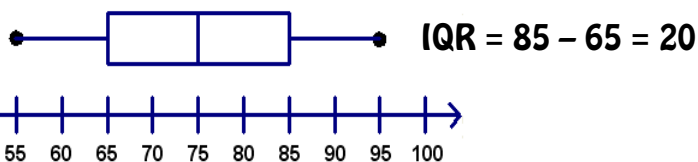
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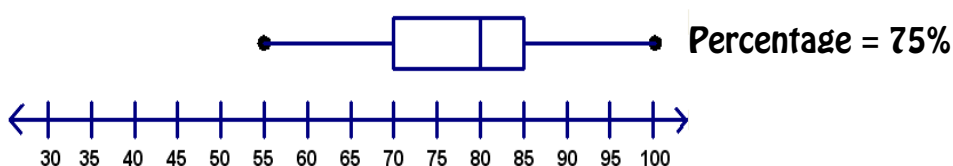
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1) Make a box and whisker plot given the data below.
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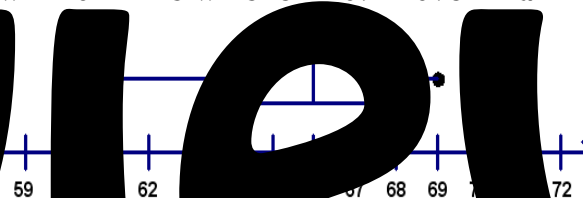
Put the numbers in order from least to greatest
60, 62, 64, 65, 65, 66, 66, 67, 68, 68, 69

Find the 5 summaries

60, 62, 64, 65, 65, 66, 66, 67, 68, 68, 69

minimum = 60
maximum = 69
median = 66
lower quartile = 64
upper quartile = 68

Draw a box and whisker plot above a number line



Preview