

TOPIC: BOXPLOTS

Boxplots ("Box and Whisker" Plots)

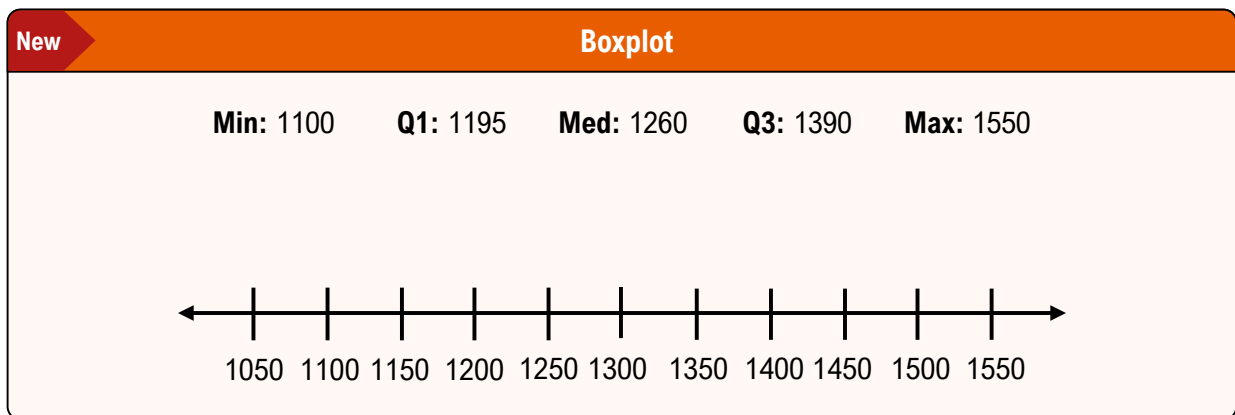
◆ A **boxplot** displays the Five Number Summary:



EXAMPLE

Use the data on SAT scores to construct a boxplot.

SAT Scores											
1100	1130	1190	1200	1220	1240	1280	1320	1360	1420	1480	1550



EXAMPLE

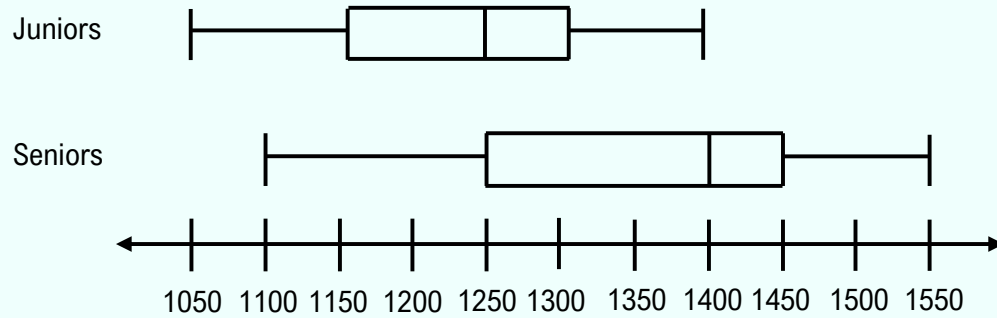
Construct a boxplot for the data below.

Number of Songs in Playlists													
9	10	10	10	11	11	12	12	13	13	14	14	15	15
16	16	17	17	18	19	20	21	22	23	24	25	25	26

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EXAMPLE

Use the data from the boxplots below to answer the questions below about SAT scores.



(A) Which grade has a higher median score? Which grade has the higher maximum score?

(B) What is first quartile of the junior class?

(C) Which class has a greater range of SAT scores?