Content Standard		MAFS.6.SP.2 Summarize and describe distributions				
		MAFS.6.SP.2.5 Summarize numerical data sets in relation to their context, such as by:				
		MAFS.6.SP.2.5α Reporting the number of observations.				
		<b>MAFS.6.SP.2.5b</b> Describing the nature of the attribute under investigation, including how it was measured and its units of measurement.				
		variability (interqual describing any overa	rtile range and/o all pattern and a	measures of center (median and/or mean) and or mean absolute deviation), as well as ny striking deviations from the overall pattern och the data were gathered.		
		<b>MAFS.6.SP.2.5d</b> Relating the choice of measures of center and variability to the shape of the data distribution and the context in which the data were gathered.				
Assessment Limits		Histograms, dot/line plots or box plots.				
		Rational numbers.				
Calculator		No				
Acceptable		Equation Response				
Response		Graphic Response — Hot Spot				
Mechanisms		Multiple Choice Response Multi-Select Response				
Context		Required				
		Example				
Context	Data is red	is recorded at a school while collecting donations for a food drive.				
	Data analy	ita analyzed using median and/or mean.				
Context	One data	ne data set.				
easier		ess data values (fewer than around 10 points).				
	Problems involving range.					
Context more difficult	More than one data set.					
	More data values (more than around 20 points).  Problems involving interquartile and mean absolute deviation.					
Sample Item Stem		mvorving interquartil	Response	Notes, Comments		
Sample item Stem		Mechanism				
A table of data is shown.			Equation			
			Response			
Tim drives the Grand Avenue bus route.						
He counts the total number of people who ride the bus each week for 5						
weeks. W	mat is the r	range of the data?				

A set of data is shown (an even set of	Equation	
numbers).	Response	
Tim drives the Grand Avenue bus route.		
He counts the total number of people		
who ride the bus each week for 5 weeks.		
weeks.		
What is the median for the set of data?		
A set of data is shown.	Equation	
	Response	
Tim drives the Grand Avenue bus route.		
He counts the total number of people		
who ride the bus each week for 5		
weeks.		
What is the interquartile range of the		
data?		
A line plot shows the number of cans	Equation	
students at Epping Middle School	Response	
collected for a canned food drive. How		
many students donated cans of food?		
Alex found the mean number of food	Equation	
cans that were donated by students for	Response	
the canned food drive at Epping Middle		
School. Alex's work is shown.		
[Graphic showing Alex's work]		
[ confirmation of the continuous of the continuo		
How many students donated food		
cans?		
Given the shape of the box plot	Multiple	
showing the number of cans students	Choice	
at Epping Middle School collected for a	Response	
canned food drive, which measure of		
center is the most appropriate to		
describe the data set?		
(Data set contains less than 10 points.)		
A histogram shows the number of cans	Multi-Select	
students at Epping Middle School	Response	
collected for a canned food drive.		
Select all of the statements that		
describe the best measure of center to		
represent the data set.		

## Grade 6 Mathematics Item Specifications Florida Standards Assessments

A box plot is shown that shows the	Graphic	
spread of the numbers of cans brought	Response —	
by students for a food drive. Create a possible line plot, given that 25	Hot Spot	
students donated cans, using the values		
from the box plot.		