Content Standard	***MAFS.6.SP*** *Statistics & Probability* ***MAFS.6.SP.1*** *Develop understanding of statistical variability.* ***MAFS.6.SP.1.3*** Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number.
Assessment Limits	Numbers in items must be rational numbers. Data sets in items must be numerical data sets.
Calculator	No
Item Types	Equation Editor Multiple Choice Multiselect
Context	Allowable

Sample Item	Item Type
Tim drives the Grand Avenue bus route. He counts the total number of people who ride the bus each week for 5 weeks. **Week** / **Number of people** 1 / 16,325 2 / 18,140 3 / 17,362 4 / 16,697 5 / 16,786 How many more people need to ride the bus in week 6 to increase the mean number of riders per week by 10?	Equation Editor

Multiselect

Tim drives the Grand Avenue bus route. He records the total number of passengers each week for 4 weeks.

The mean and mean absolute deviation of the data are shown.

- Mean: 17,123
- Mean absolute deviation: 611

Select all the possible numbers of riders for week 5 that are within the mean absolute deviation.

- ☐ 16,297
- ☐ 16,809
- ☐ 17,724
- ☐ 17,956
- ☐ 18,013