

Outliers Worksheet

1. Find the outlier(s) of the data set. 43, 69, 49, 78, 88, 54, 73, 194, 54, 59, 70, 2)
2. Find the outlier(s) of the data set. 40, 62, 47, 68, 12, 78, 49, 65, 49, 52, 63, 3)
3. Find the outlier of the data set. 44, 67, 52, 72, 82, 55, 70, 200, 55, 57, 68
4. The following table gives the math scores of 10 friends:

Name	Math score (%)
Albert	46
Beth	29
Cindy	35
David	93
Emily	37
Frank	38
Gary	45
Helen	44
Ida	46
Jeremy	31

If the score of the outlier is not included, what is the mean score?

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5. The temperatures (in °F) recorded in Saskatoon at noon on each day for two weeks were as follows:

81, 78, 77, 75, 80, 82, 84, 78, 74, 75, 49, 71, 76, 80

If the outlier is excluded, what was the mean temperature?

6. Miss Jones has 30 students in her math class.
In the recent exam, her students averaged 67%.
But Miss Jones told Principal Schultz that her students had averaged 71%.

In order to impress Principal Schultz, Miss Jones had excluded the two outliers in her class who had scored very low marks.

What was the mean mark of those two poor students?

7. 50 children guessed the number of marbles in a jar and the average guess was 627.
However three of the guesses were way too high and so were excluded from the competition.
When these three outliers were excluded, the average guess was reduced by 114.

What was the mean of the three outliers?

