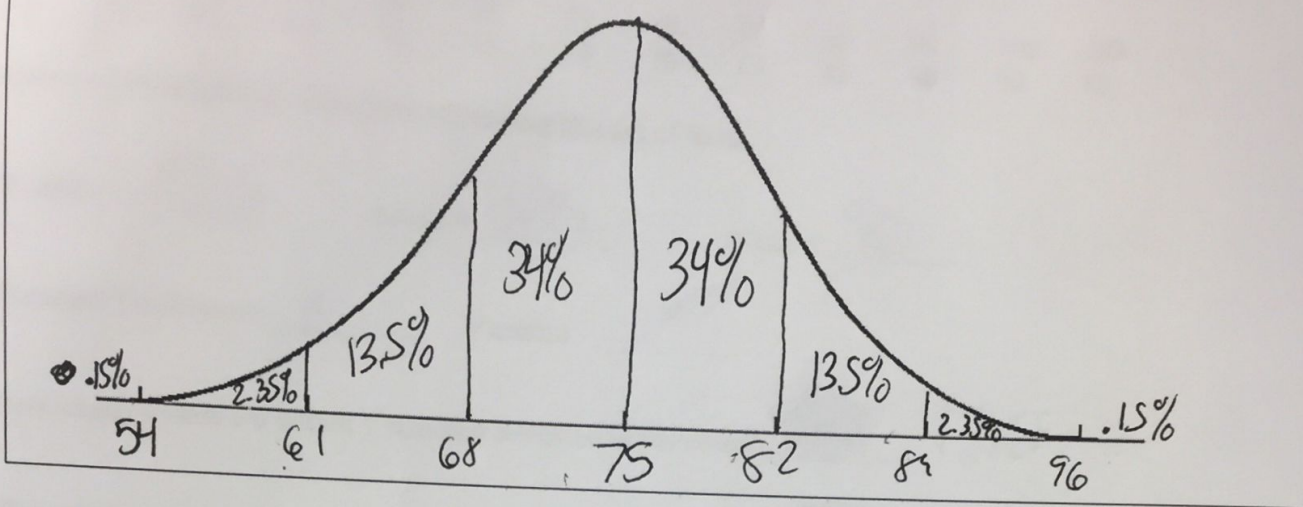


with a mean of 75 and a standard deviation of 7. Label the mean and three standard deviations from the mean.



Answer the following questions based on the data:

a) What percentage of scores are between scores 61 and 82?

81.5%

b) What percentage of scores are between scores 75 and 82?

34%

c) What percentage of scores are between scores 61 and 89?

75%

d) What percentage of scores is less than a score of 61?

2.5%

e) What percentage of scores is greater than a score of 96?

.15%

f) Approximately how many algebra students scored between 61 and 89?

475

g) Approximately how many algebra students scored between 68 and 82?

340

h) Approximately how many algebra students scored between 61 and 75?

237.5

i) Approximately how many algebra students scored between 89 and 96?

11.75

j) Approximately how many algebra students scored higher than 89?

12.5

$$Q1: 75 - (.67)(7) = 70.31$$

$$Q3: 75 + (.67)(7) = 79.69$$