



Statistics - Standard Deviation - Mean, SD and Value to Percent Above/Below

1 What percentage of batteries are below 55?

The battery lifetimes in hours are normally distributed with a mean of 50 and a standard deviation of 5.

A	15.9%	B	84.1%
C	50%	D	83.9%

2 What percentage of batteries are above 42?

The battery lifetimes in hours are normally distributed with a mean of 50 and a standard deviation of 4.

A	97.7%	B	84.1%
C	99.8%	D	2.3%

3 What percentage of scores are below 85?

The test scores in a large class are normally distributed with a mean of 75 and a standard deviation of 10.

A	83.9%	B	50%
C	84.1%	D	15.9%

4 What percentage of scores are below 74?

The test scores in a large class are normally distributed with a mean of 70 and a standard deviation of 4.

A	15.9%	B	50%
C	84.1%	D	83.9%

5 What percentage of days are above 26?

The daily high temperatures in degrees are normally distributed with a mean of 22 and a standard deviation of 4.

A	50%	B	2.3%
C	84.1%	D	15.9%

6 What percentage of scores are above 85?

The test scores in a large class are normally distributed with a mean of 75 and a standard deviation of 5.

A	0.2%	B	15.9%
C	2.3%	D	97.7%

7 What percentage of days are below 16?

The daily high temperatures in degrees are normally distributed with a mean of 20 and a standard deviation of 4.

A	2.3%	B	15.9%
C	15.7%	D	84.1%

8 What percentage of batteries are above 44?

The battery lifetimes in hours are normally distributed with a mean of 40 and a standard deviation of 4.

A	84.1%	B	2.3%
C	50%	D	15.9%