Your grade: 100%

Your latest: **100%** • Your highest: **100%** • To pass you need at least 75%. We keep your highest score.

Next item →

1. Fill in the blank: Margin of error is the _____ amount that the sample results are expected to differ from those of the actual population. 1 / 1 point

- ○ median
- ○ average
- ○ minimum
- ◉ maximum

Margin of error is the maximum amount that the sample results are expected to differ from those of the actual population.

2. What elements are required to calculate margin of error? Select all that apply. 1 / 1 point

- ☑ Sample size

To calculate margin of error, you need population size, sample size, and confidence level.

- ☐ Mean calculation
- ☑ Confidence level

To calculate margin of error, you need population size, sample size, and confidence level.

- ☑ Population size

To calculate margin of error, you need population size, sample size, and confidence level.

- [x] Population size

To calculate margin of error, you need population size, sample size, and confidence level.

3. In a survey about a new gardening product, 80% of respondents report they would buy the product again. The margin of error for the survey is 5%. Based on that margin of error, what range reflects the population's true response? 1 / 1 point

- ○ 70-80%
- ◉ 75-85%

Based on the margin of error, a range of 75-85% would accurately reflect the population's true response.

- ○ 75-80%
- ○ 73-78%

4. In an employee satisfaction survey, 60% of respondents report that they prefer commuting to work via train. The margin of error for the survey is 4%. Based on that margin of error, what range reflects the population's true response? 1 / 1 point

- ○ 50-60%
- ◉ 56-64%

Based on the margin of error, a range of 56-64% would accurately reflect the population's true response.

- ○ 46-54%

3. In a survey about a new gardening product, 80% of respondents report they would buy the product again. The margin of error for the survey is 5%. Based on that margin of error, what range reflects the population's true response? 1 / 1 point

- ○ 70-80%
- ◉ 75-85%

  Based on the margin of error, a range of 75-85% would accurately reflect the population's true response.

- ○ 75-80%
- ○ 73-78%

4. In an employee satisfaction survey, 60% of respondents report that they prefer commuting to work via train. The margin of error for the survey is 4%. Based on that margin of error, what range reflects the population's true response? 1 / 1 point

- ○ 50-60%
- ◉ 56-64%

  Based on the margin of error, a range of 56-64% would accurately reflect the population's true response.

- ○ 46-54%
- ○ 64-68%