Compare and Order Integers

Solve.

1. Put this list of integers in order, from least to greatest: \(-1, +2, +5, -3, +1\). Some are done for you.

\[ \underline{\phantom{-1}}, -1, \underline{\phantom{+2}}, +2, \underline{\phantom{+5}} \]

2. Sarah was asked to put a list of integers into order, from least to greatest. She wrote the numbers in this order: \(+2, -3, +4, -5, +5\). What did she do wrong? What is the correct order?

3. In golf, the lowest score wins. Five golfers scored \(-3, +5, -4, +2, +3\). Order the score from the best score to the worst score.

4. Write two numbers that are better than the worst score in Problem 2 but not as good as the middle score.

5. Put this set of numbers in order, from least to greatest: \(+3, -5, +4, -9, -2, +7, -1, +6\). Which number has the greatest absolute value?

6. If you take 25% of a negative integer, will the new number be greater or less than the original integer? Explain and give an example.