Tests & Quizzes

Quiz 03

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Part 1 of 8 / 2.5 Points

Question 1 of 8 2.5 Points

Click to see additional instructions
In a single-precision IEEE-754 floating-point format, the minimum biased exponent (in decimal) in normalized-numbers is ✔ 1 .

Answer Key: 1

Part 2 of 8 / 2.5 Points

Question 2 of 8 2.5 Points

Click to see additional instructions
In a single-precision IEEE-754 floating-point format, the maximum biased exponent (in decimal) in normalized-numbers is ✔ 254 .

Answer Key: 254

Part 3 of 8 / 2.5 Points

Question 3 of 8 2.5 Points

Click to see additional instructions
In a single-precision IEEE-754 floating-point format, the biased exponent (in decimal) when the number represents +zero is ✖ 127 .

Answer Key: 0

Part 4 of 8 / 2.5 Points

Question 4 of 8 2.5 Points

Click to see additional instructions
In a single-precision IEEE-754 floating-point format, when the number is +infinity, the biased exponent (in decimal) is ✔ 255 .

Answer Key: 255

Part 5 of 8 / 2.5 Points

Question 5 of 8 2.5 Points

Click to see additional instructions
In a single-precision IEEE-754 floating-point format, when the number is +NaN, the biased exponent (in decimal) is ✔ 255 .

Answer Key: 255

Part 6 of 8 / 2.5 Points

Question 6 of 8 2.5 Points

Click to see additional instructions
In a single-precision IEEE-754 floating-point format, when the number is +underflow, the biased exponent (in decimal) is ✔ 0 .

Answer Key: 0

Part 7 of 8 / 2.5 Points

Question 7 of 8 2.5 Points

Click to see additional instructions
In a single-precision IEEE-754 floating-point format, when the number is +underflow, the true exponent (in decimal) is ✔ -126 .

Answer Key: -126

Part 8 of 8 / 2.5 Points

Question 8 of 8 2.5 Points

Click to see additional instructions
In a single-precision IEEE-754 floating-point format, when the number is +infinity, the sign bit of the number is ✔ 0 .

Answer Key: 0