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- 1. Suppose are representing real numbers by the IEEE floating format with 5 exponent bits and 8 fraction bits (ignore the sign bit).
 - a. What is the floating-point representation of the decimal number $7\frac{1}{7}$ in this format?

Exponent	Fraction
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b. What is the floating-point representation of the binary number 1.0011x2⁻² in this format?

Exponent_____ Fraction____

c. What is the floating-point representation of the binary number 1.0011x2⁻¹³ in this format?

Exponent_____ Fraction____

2. Convert the DECIMAL value 11.1 into the IEEE floating format with a sign bit, a 5-bit exponent field, and a 10-bit fraction. Write your final 16-bit answer in Hexadecimal.