

What is the binary number 101.011 in decimal?

$$5 \frac{3}{8}$$

What is the largest number that can be represented with an 8-bit fixed point binary number where there are 4 bits to the left of the binary point?

$$1111.1111 = 15 \frac{15}{16}$$

What is 1.0011×10^{11} in decimal?

$$1 \frac{3}{16} \times 2^3 = 1 \frac{3}{16} \times 8 = 9 \frac{1}{2}$$

$$1001.1 = 9 \frac{1}{2}$$