To convert the mixed number 2 9/20 into a decimal, follow these steps:

1. **Separate the whole number and the fraction:** The mixed number consists of a whole number (2) and a fraction (9/20).
2. **Convert the fraction to decimal:** Divide the numerator (9) by the denominator (20).
   9 ÷ 20 = 0.45
3. **Add the decimal to the whole number:** Now, take the whole number (2) and add it to the decimal result (0.45).
   2 + 0.45 = 2.45

So, the decimal representation of 2 9/20 is **2.45**.