

Answer on Question#38353 – Math - Algebra

The probability of selecting a green, red or blue marble is 1. Let G be the probability of selecting a green marble, R be the probability of selecting a red marble, B be the probability of selecting a blue marble. Then

$$R + G + B = 1$$

So

$$R = 1 - G - B = 1 - \frac{1}{4} - \frac{1}{5} = \frac{20 - 5 - 4}{20} = \frac{11}{20}$$

Answer: the probability of selecting a red marble is $\frac{11}{20}$.