

Cup of marbles



Ash has a cup containing ten marbles - four blue ones, three red ones, and the remainder are yellow. He shuts his eyes and picks out a marble.

a) The probability that it is blue is:

- (A) $\frac{1}{9}$ (B) $\frac{1}{4}$ (C) $\frac{4}{10}$ (D) $\frac{4}{6}$

(E) None of these. The answer is _____.

b) The probability that it is yellow is:

- (A) $\frac{1}{9}$ (B) $\frac{3}{10}$ (C) $\frac{1}{3}$ (D) $\frac{3}{7}$

(E) None of these. The answer is _____.

The marble Ash picked out was blue. He put this blue marble on the table and then picked out another marble.

c) The probability that this marble is red is:

- (A) $\frac{1}{9}$ (B) $\frac{3}{10}$ (C) $\frac{3}{9}$ (D) $\frac{3}{8}$

(E) None of these. The answer is _____.