mobius

Probability - Shapes, Two Sets of Two Shapes, Two Colors - Pick Two by Shape and Color, To Fraction Equation

1 What is the equation for the chance of drawing a black circle at random from both bags?

A $\frac{4}{10} \cdot \frac{4}{5}$ B $\frac{5}{5} \cdot \frac{4}{10}$ C $\frac{2}{2} \cdot \frac{1}{10}$

D $\frac{2}{5} \cdot \frac{2}{2}$ E $\frac{4}{8} \cdot \frac{1}{8}$ F $\frac{2}{3} \cdot \frac{2}{4}$

2 What is the equation for the chance of drawing a white circle at random from both bags?

A $\frac{2}{5} \cdot \frac{2}{6}$ B $\frac{3}{3} \cdot \frac{2}{6}$ C $\frac{5}{5} \cdot \frac{2}{6}$

D $\frac{2}{8} \cdot \frac{4}{6}$ E $\frac{2}{8} \cdot \frac{2}{10}$ F $\frac{3}{5} \cdot \frac{3}{3}$

3 What is the equation for the chance of drawing a blue square at random from both bags?

A $\frac{2}{6} \cdot \frac{1}{2}$ B $\frac{1}{3} \cdot \frac{1}{2}$ C $\frac{2}{3} \cdot \frac{1}{4}$

D $\frac{1}{6} \cdot \frac{1}{10}$ E $\frac{1}{10} \cdot \frac{2}{8}$ F $\frac{1}{2} \cdot \frac{1}{5}$

4 What is the equation for the chance of drawing a yellow square at random from both bags?

A $\frac{1}{2} \cdot \frac{3}{5}$ B $\frac{6}{10} \cdot \frac{7}{8}$ C $\frac{3}{4} \cdot \frac{5}{5}$

D $\frac{1}{2} \cdot \frac{4}{5}$ E $\frac{4}{6} \cdot \frac{1}{2}$ F $\frac{5}{5} \cdot \frac{4}{5}$

5 What is the equation for the chance of drawing a black circle at random from both bags?

A $\frac{3}{6} \cdot \frac{1}{5}$ B $\frac{2}{3} \cdot \frac{1}{3}$ C $\frac{2}{3} \cdot \frac{2}{3}$

D $\frac{1}{5} \cdot \frac{2}{4}$ E $\frac{6}{6} \cdot \frac{1}{4}$ F $\frac{6}{6} \cdot \frac{3}{6}$

6 What is the equation for the chance of drawing a white square at random from both bags?

A $\frac{3}{6} \cdot 0$ B $\frac{2}{5} \cdot \frac{1}{3}$ C $\frac{4}{6} \cdot \frac{1}{8}$

D $\frac{2}{2} \cdot \frac{1}{6}$ E $\frac{3}{4} \cdot \frac{1}{3}$ F $\frac{7}{10} \cdot \frac{1}{3}$

7 What is the equation for the chance of drawing a red square at random from both bags?

A $\frac{2}{5} \cdot \frac{2}{4}$ B $\frac{1}{2} \cdot \frac{5}{6}$ C $\frac{3}{4} \cdot \frac{2}{3}$

D $\frac{4}{6} \cdot \frac{1}{4}$ E $\frac{3}{3} \cdot \frac{3}{4}$ F $\frac{1}{6} \cdot \frac{3}{5}$

8 What is the equation for the chance of drawing a yellow square at random from both bags?

A $\frac{1}{4} \cdot \frac{2}{2}$ B $\frac{2}{4} \cdot \frac{1}{4}$ C $\frac{2}{2} \cdot \frac{2}{2}$

D $\frac{3}{8} \cdot \frac{4}{10}$ E $\frac{1}{5} \cdot \frac{2}{3}$ F $\frac{2}{3} \cdot \frac{4}{8}$