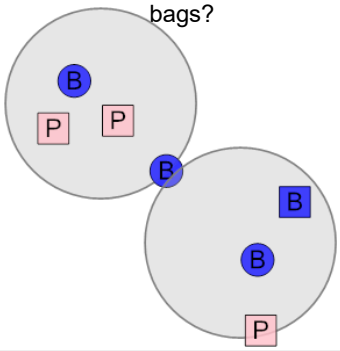
mobius

Math worksheet on *'Probability - Shapes, Two Sets of Two Shapes, Two Colors - Pick Two by Shape and Color, To Fraction Equation (Level 1)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Intro'*

Learn online:

app.mobius.academy/math/units/probability_counting_multiple_event_intro/

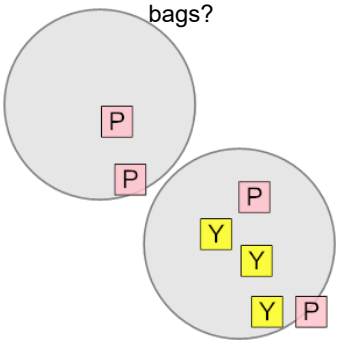
1 What is the equation for the chance of drawing a pink square at random from both bags?



a $\frac{4}{6} \cdot \frac{3}{4}$ **b** $\frac{1}{3} \cdot \frac{1}{10}$ **c** $\frac{1}{5} \cdot \frac{3}{10}$

d $\frac{2}{5} \cdot \frac{2}{3}$ **e** $\frac{1}{6} \cdot \frac{1}{8}$ **f** $\frac{2}{4} \cdot \frac{1}{3}$

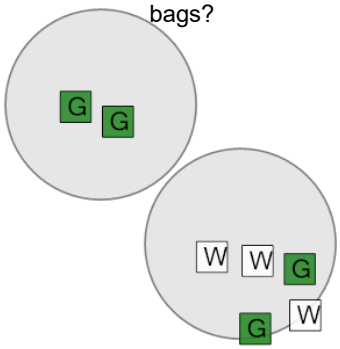
2 What is the equation for the chance of drawing a pink square at random from both bags?



a $\frac{1}{2} \cdot \frac{3}{3}$ **b** $\frac{2}{3} \cdot \frac{1}{5}$ **c** $\frac{2}{2} \cdot \frac{2}{5}$

d $\frac{3}{10} \cdot \frac{1}{2}$ **e** $\frac{1}{5} \cdot \frac{4}{4}$ **f** $\frac{5}{10} \cdot \frac{1}{2}$

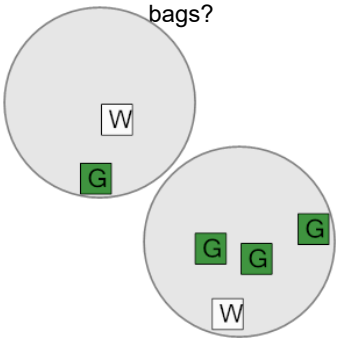
3 What is the equation for the chance of drawing a green square at random from both bags?



a $\frac{2}{2} \cdot \frac{2}{5}$ **b** $\frac{1}{8} \cdot \frac{4}{8}$ **c** $\frac{1}{3} \cdot \frac{1}{2}$

d $\frac{2}{4} \cdot \frac{5}{10}$ **e** $\frac{1}{8} \cdot \frac{5}{10}$ **f** $\frac{1}{3} \cdot \frac{3}{4}$

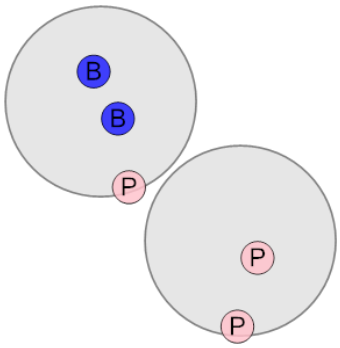
4 What is the equation for the chance of drawing a white square at random from both bags?



a $\frac{3}{3} \cdot \frac{1}{8}$ **b** $\frac{2}{6} \cdot \frac{1}{10}$ **c** $\frac{1}{5} \cdot \frac{3}{6}$

d $\frac{2}{3} \cdot \frac{3}{3}$ **e** $\frac{2}{2} \cdot \frac{3}{3}$ **f** $\frac{1}{2} \cdot \frac{1}{4}$

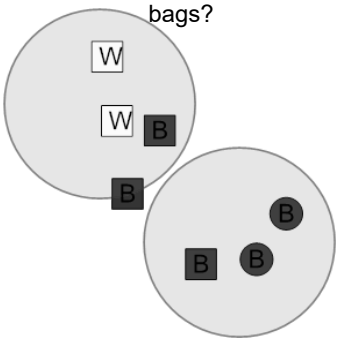
5 What is the equation for the chance of drawing a blue circle at random from both bags?



a $\frac{2}{5} \cdot \frac{1}{6}$ **b** $\frac{2}{6} \cdot \frac{1}{5}$ **c** $\frac{5}{8} \cdot \frac{1}{8}$

d $\frac{3}{5} \cdot \frac{1}{8}$ **e** $\frac{2}{5} \cdot \frac{1}{4}$ **f** $\frac{2}{3} \cdot 0$

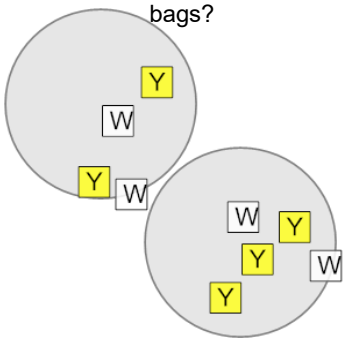
6 What is the equation for the chance of drawing a white square at random from both bags?



a $\frac{2}{5} \cdot \frac{1}{8}$ **b** $\frac{5}{5} \cdot \frac{1}{2}$ **c** $\frac{4}{5} \cdot \frac{1}{2}$

d $\frac{4}{4} \cdot \frac{1}{10}$ **e** $\frac{2}{4} \cdot 0$ **f** $\frac{2}{5} \cdot \frac{1}{6}$

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



a $\frac{3}{8} \cdot \frac{1}{3}$ **b** $\frac{2}{4} \cdot \frac{2}{5}$ **c** $\frac{4}{5} \cdot \frac{2}{2}$

d $\frac{2}{3} \cdot \frac{2}{3}$ **e** $\frac{2}{3} \cdot \frac{4}{6}$ **f** $\frac{4}{4} \cdot \frac{1}{2}$