

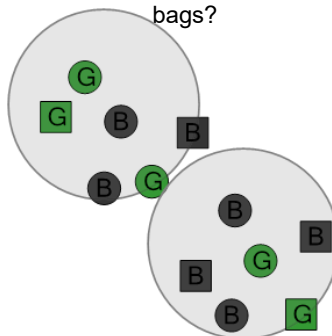


Math worksheet on 'Probability - Shapes, Two Sets of Two Shapes, Two Colors - Pick Two by Color, To Fraction Equation (Level 1)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Intro'

Learn online:

[app.mobius.academy/math/units/probability\\_counting\\_multiple\\_event\\_intro/](http://app.mobius.academy/math/units/probability_counting_multiple_event_intro/)

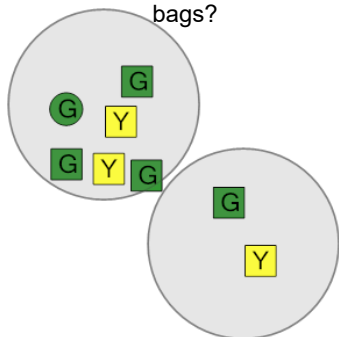
1 What is the equation for the chance of drawing a black shape at random from both bags?



a	b	c
$\frac{3}{6} \cdot \frac{4}{6}$	$\frac{2}{10} \cdot \frac{1}{2}$	$\frac{5}{5} \cdot \frac{1}{5}$

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

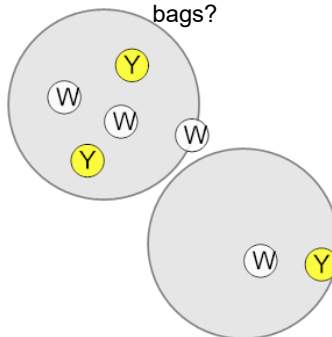
2 What is the equation for the chance of drawing a green shape at random from both bags?



a	b	c
$\frac{3}{3} \cdot \frac{3}{10}$	$\frac{4}{6} \cdot \frac{1}{2}$	$\frac{3}{3} \cdot \frac{2}{6}$

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

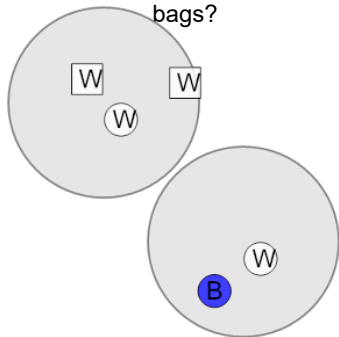
3 What is the equation for the chance of drawing a white shape at random from both bags?



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

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

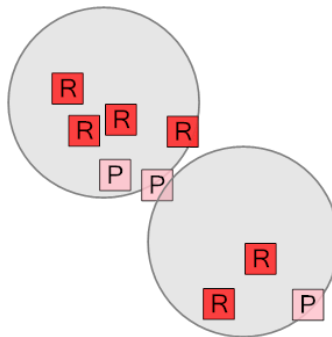
4 What is the equation for the chance of drawing a white shape at random from both bags?



a	b	c
$\frac{6}{10} \cdot \frac{1}{4}$	$\frac{3}{8} \cdot \frac{3}{10}$	$\frac{5}{8} \cdot \frac{2}{6}$

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

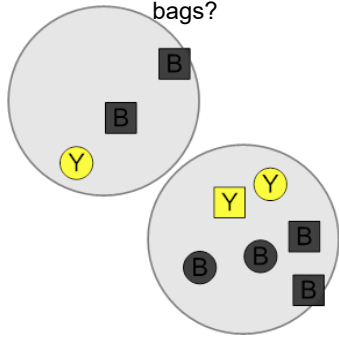
5 What is the equation for the chance of drawing a red shape at random from both bags?



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

d	e	f
$\frac{2}{8} \cdot \frac{1}{5}$	$\frac{8}{10} \cdot \frac{3}{6}$	$\frac{4}{6} \cdot \frac{2}{3}$

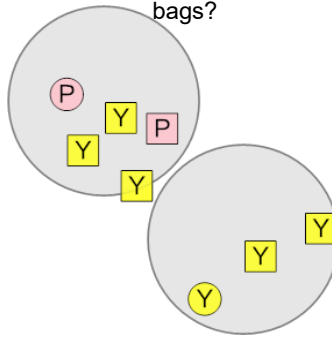
6 What is the equation for the chance of drawing a black shape at random from both bags?



a	b	c
$\frac{1}{3} \cdot \frac{3}{4}$	$\frac{1}{6} \cdot \frac{9}{10}$	$\frac{2}{5} \cdot \frac{4}{8}$

d	e	f
$\frac{3}{6} \cdot \frac{6}{6}$	$\frac{2}{3} \cdot \frac{4}{6}$	$\frac{3}{10} \cdot \frac{1}{5}$

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



a	b	c
$\frac{2}{5} \cdot 0$	$\frac{4}{5} \cdot \frac{1}{2}$	$\frac{1}{2} \cdot \frac{1}{10}$

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