

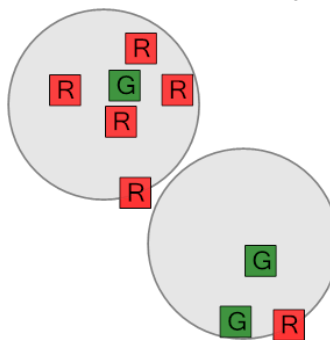


Math worksheet on 'Probability - Shapes, Two Sets of Two Shapes, Two Colors - Pick Two by Color, To Fraction Equation (Level 2)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Practice'

Learn online:

app.mobius.academy/math/units/probability_counting_multiple_event_practice/

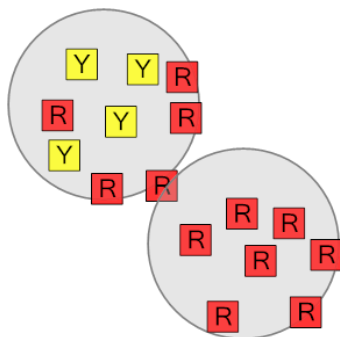
1 What is the equation for the chance of drawing a red shape at random from both bags?



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

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

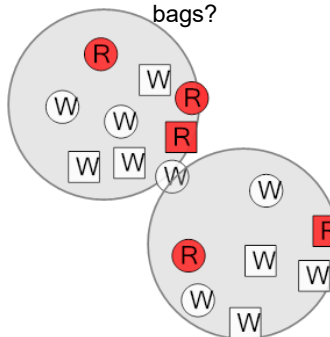
2 What is the equation for the chance of drawing a red shape at random from both bags?



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

d	e	f
$\frac{5}{9} \cdot \frac{7}{7}$	$\frac{1}{5} \cdot \frac{1}{4}$	$\frac{4}{8} \cdot \frac{5}{6}$

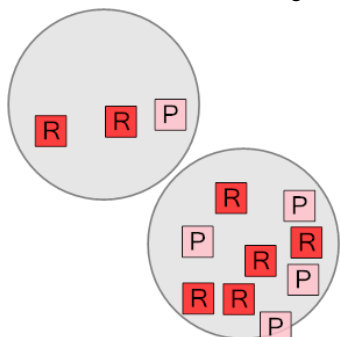
3 What is the equation for the chance of drawing a white shape at random from both bags?



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

d	e	f
$\frac{6}{9} \cdot \frac{5}{7}$	$\frac{1}{6} \cdot \frac{1}{5}$	$\frac{3}{3} \cdot \frac{3}{5}$

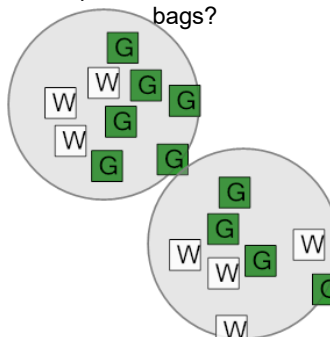
4 What is the equation for the chance of drawing a red shape at random from both bags?



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

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

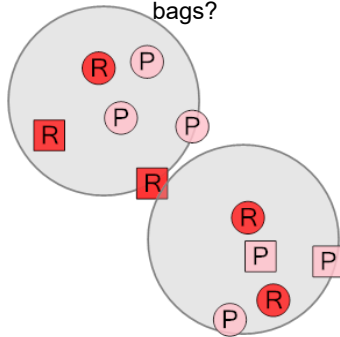
5 What is the equation for the chance of drawing a green shape at random from both bags?



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

d	e	f
$\frac{2}{2} \cdot \frac{2}{10}$	$\frac{8}{8} \cdot \frac{1}{3}$	$\frac{6}{9} \cdot \frac{4}{8}$

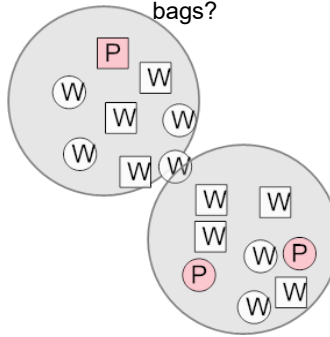
6 What is the equation for the chance of drawing a pink shape at random from both bags?



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

d	e	f
$\frac{1}{8} \cdot \frac{2}{3}$	$\frac{3}{6} \cdot \frac{3}{5}$	$\frac{7}{10} \cdot \frac{3}{4}$

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



a	b	c
$\frac{2}{3} \cdot \frac{4}{8}$	$\frac{3}{10} \cdot \frac{7}{8}$	$\frac{1}{3} \cdot \frac{1}{5}$

d	e	f
$\frac{7}{8} \cdot \frac{6}{8}$	$\frac{2}{2} \cdot \frac{2}{2}$	$\frac{4}{4} \cdot \frac{2}{2}$