

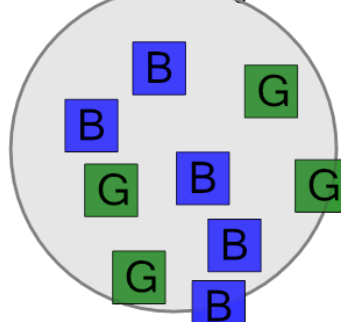


Math worksheet on 'Probability - Shapes, One Set of Two Shapes, Two Colors - Pick Two by Color, To Fraction Equation (Level 2)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Advanced'

Learn online:

app.mobius.academy/math/units/probability_counting_multiple_event_advanced/

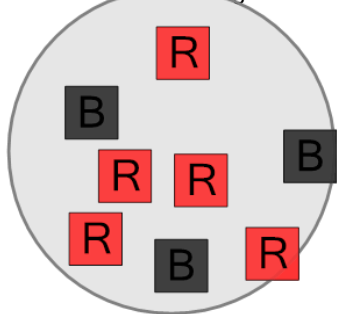
1 What is the equation for the chance of drawing two blue shapes in a row at random from this bag?



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

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

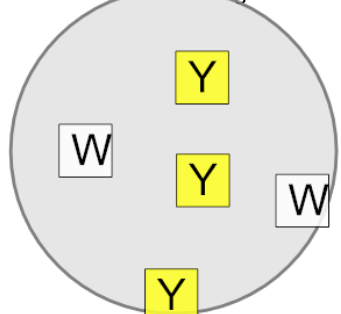
2 What is the equation for the chance of drawing two black shapes in a row at random from this bag?



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

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

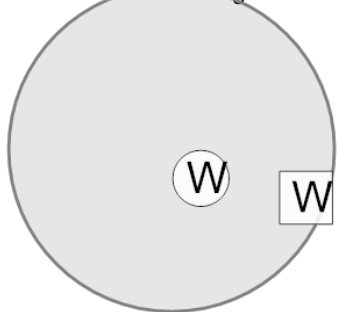
3 What is the equation for the chance of drawing two yellow shapes in a row at random from this bag?



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

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

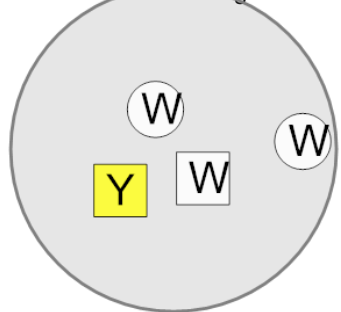
4 What is the equation for the chance of drawing two white shapes in a row at random from this bag?



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

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

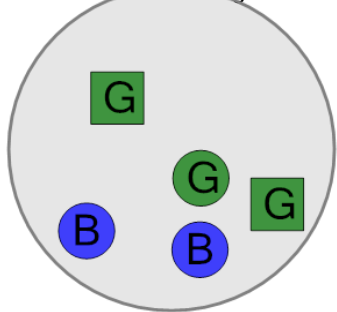
5 What is the equation for the chance of drawing two white shapes in a row at random from this bag?



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

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

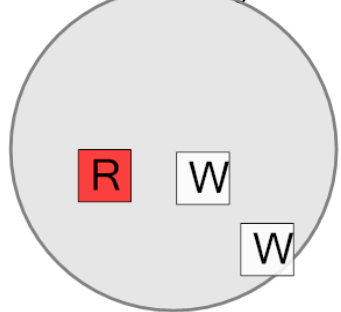
6 What is the equation for the chance of drawing two blue shapes in a row at random from this bag?



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

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

7 What is the equation for the chance of drawing two white shapes in a row at random from this bag?



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

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