

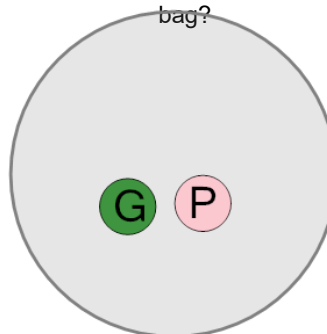


Math worksheet on 'Probability - Shapes, One Set of Two Shapes, Two Colors - Pick Two by Shape, To Fraction Equation (Level 2)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Advanced'

Learn online:

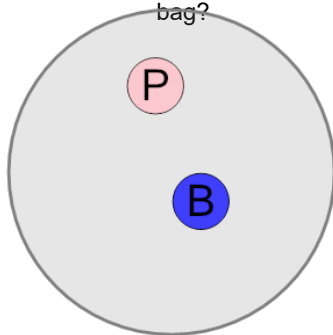
[app.mobius.academy/math/units/probability\\_counting\\_multiple\\_event\\_advanced/](http://app.mobius.academy/math/units/probability_counting_multiple_event_advanced/)

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



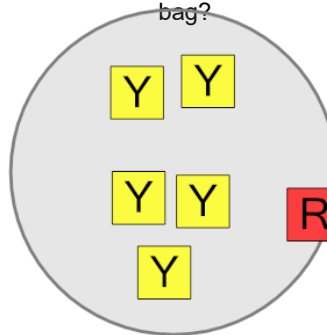
a	b	c
$\frac{4}{10} \cdot \frac{1}{4}$	$\frac{1}{2} \cdot \frac{1}{5}$	$\frac{1}{3} \cdot \frac{1}{4}$
d	e	f
$\frac{1}{5} \cdot \frac{2}{5}$	$\frac{2}{2} \cdot 1$	$\frac{5}{10} \cdot \frac{3}{8}$

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



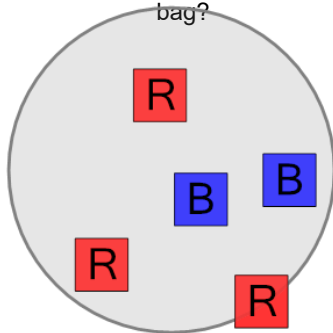
a	b	c
$\frac{2}{2} \cdot 1$	$\frac{3}{5} \cdot \frac{2}{10}$	$\frac{2}{10} \cdot \frac{1}{5}$
d	e	f
$\frac{2}{8} \cdot \frac{1}{10}$	$\frac{2}{3} \cdot \frac{2}{4}$	$\frac{4}{8} \cdot \frac{1}{5}$

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



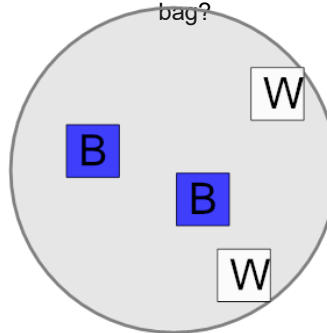
a	b	c
$\frac{6}{6} \cdot \frac{5}{5}$	$\frac{1}{3} \cdot \frac{1}{2}$	$\frac{3}{4} \cdot \frac{4}{10}$
d	e	f
$\frac{3}{5} \cdot \frac{1}{8}$	$\frac{1}{8} \cdot \frac{1}{2}$	$\frac{1}{2} \cdot \frac{2}{3}$

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



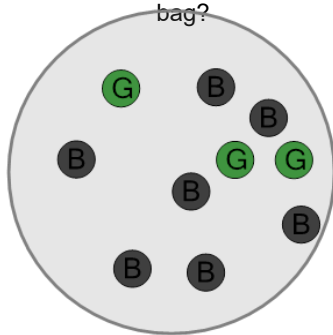
a	b	c
$\frac{3}{4} \cdot \frac{3}{6}$	$\frac{2}{3} \cdot \frac{2}{6}$	$\frac{2}{4} \cdot \frac{6}{8}$
d	e	f
$\frac{5}{5} \cdot \frac{4}{4}$	$\frac{4}{6} \cdot \frac{4}{8}$	$\frac{2}{6} \cdot \frac{1}{2}$

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



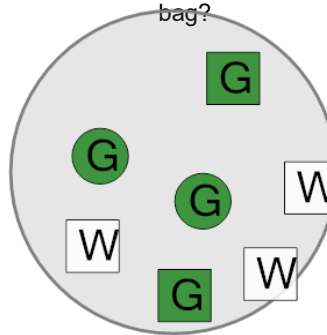
a	b	c
$\frac{1}{2} \cdot \frac{4}{5}$	$\frac{2}{3} \cdot \frac{1}{8}$	$\frac{4}{4} \cdot \frac{3}{3}$
d	e	f
$\frac{2}{3} \cdot \frac{3}{6}$	$\frac{4}{6} \cdot \frac{4}{8}$	$\frac{1}{10} \cdot \frac{7}{8}$

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



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

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



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