

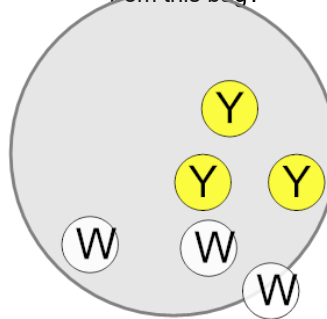


Math worksheet on 'Probability - Shapes, One Set of One Shape, Two Colors - Pick Two by Color, To Fraction Equation (Level 2)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Advanced'

Learn online:

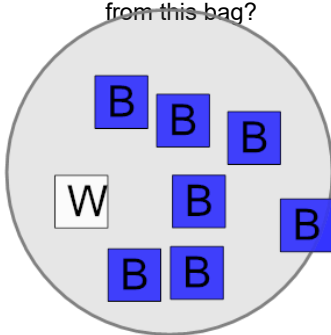
app.mobius.academy/math/units/probability_counting_multiple_event_advanced/

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



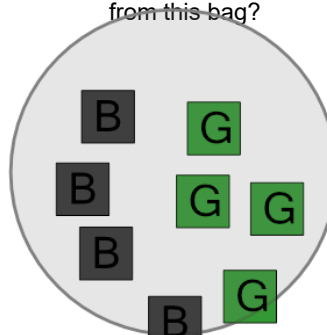
a	b	c
$\frac{1}{8} \cdot \frac{1}{6}$	$\frac{3}{6} \cdot \frac{2}{5}$	$\frac{3}{3} \cdot \frac{3}{3}$
d	e	f
$\frac{7}{10} \cdot \frac{1}{8}$	$\frac{4}{4} \cdot \frac{4}{8}$	$\frac{4}{4} \cdot \frac{2}{10}$

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



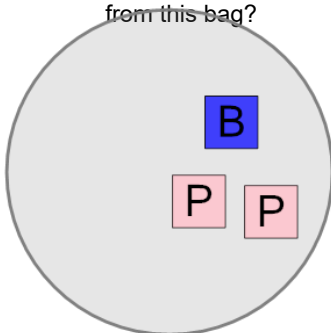
a	b	c
$\frac{7}{8} \cdot \frac{6}{7}$	$\frac{4}{6} \cdot \frac{4}{4}$	$\frac{6}{8} \cdot \frac{1}{6}$
d	e	f
$\frac{1}{2} \cdot \frac{1}{10}$	$\frac{2}{2} \cdot \frac{6}{6}$	$\frac{1}{2} \cdot \frac{1}{2}$

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



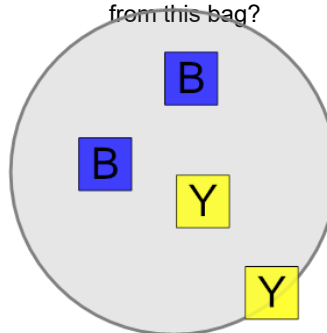
a	b	c
$\frac{4}{8} \cdot \frac{3}{7}$	$\frac{2}{5} \cdot \frac{6}{10}$	$\frac{7}{8} \cdot \frac{3}{4}$
d	e	f
$\frac{2}{6} \cdot \frac{2}{2}$	$\frac{6}{6} \cdot \frac{2}{3}$	$\frac{2}{3} \cdot \frac{1}{3}$

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



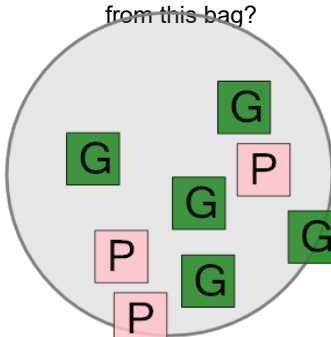
a	b	c
$\frac{1}{4} \cdot \frac{2}{8}$	$\frac{5}{5} \cdot \frac{1}{4}$	$\frac{2}{3} \cdot \frac{1}{2}$
d	e	f
$\frac{1}{2} \cdot \frac{2}{5}$	$\frac{3}{10} \cdot \frac{1}{3}$	$\frac{2}{6} \cdot \frac{2}{10}$

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



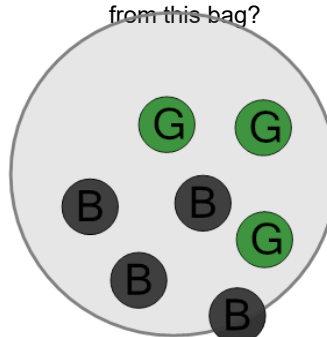
a	b	c
$\frac{2}{6} \cdot \frac{2}{5}$	$\frac{2}{4} \cdot \frac{1}{3}$	$\frac{4}{6} \cdot \frac{1}{8}$
d	e	f
$\frac{1}{10} \cdot \frac{2}{3}$	$\frac{3}{3} \cdot \frac{1}{8}$	$\frac{3}{10} \cdot \frac{1}{10}$

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



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

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



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