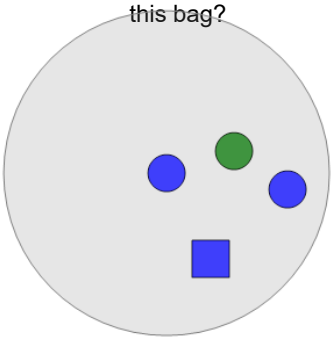
Math worksheet on *'Probability - Shapes, One Set of Two Shapes, Two Colors - Pick Two by Shape and Color, To Fraction Equation (Level 1)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Practice'*

Learn online:

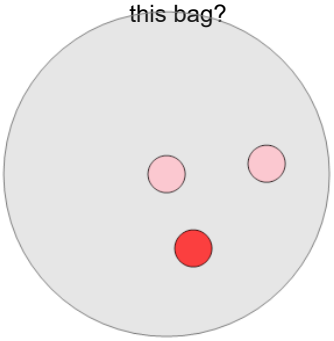
app.mobius.academy/math/units/probability_counting_multiple_event_practice/

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



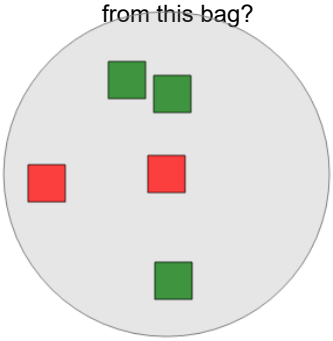
a	b	c
$\frac{3}{3} \cdot \frac{1}{4}$	$\frac{1}{4} \cdot 0$	$\frac{3}{4} \cdot \frac{1}{6}$
d	**e**	**f**
$\frac{3}{7} \cdot \frac{1}{7}$	$\frac{3}{8} \cdot \frac{1}{5}$	$\frac{3}{8} \cdot \frac{1}{6}$

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



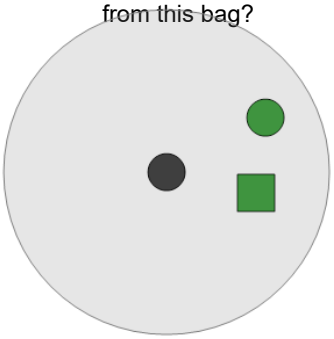
a	b	c
$\frac{2}{3} \cdot \frac{1}{2}$	$\frac{5}{6} \cdot \frac{1}{7}$	$\frac{4}{9} \cdot \frac{1}{3}$
d	**e**	**f**
$\frac{5}{6} \cdot \frac{3}{5}$	$\frac{5}{7} \cdot \frac{1}{7}$	$\frac{4}{8} \cdot \frac{3}{4}$

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



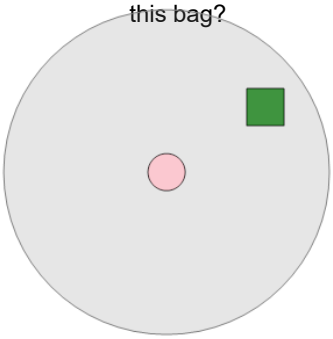
a	b	c
$\frac{4}{9} \cdot \frac{2}{4}$	$\frac{4}{13} \cdot \frac{3}{9}$	$\frac{3}{8} \cdot \frac{2}{6}$
d	**e**	**f**
$\frac{3}{6} \cdot \frac{3}{5}$	$\frac{3}{9} \cdot \frac{1}{5}$	$\frac{2}{5} \cdot \frac{1}{4}$

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



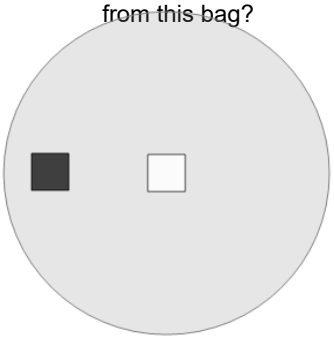
a	b	c
$\frac{2}{4} \cdot \frac{1}{6}$	$\frac{1}{3} \cdot 0$	$\frac{3}{7} \cdot \frac{1}{3}$
d	**e**	**f**
$\frac{3}{6} \cdot \frac{1}{6}$	$\frac{1}{6} \cdot \frac{1}{5}$	$\frac{2}{4} \cdot \frac{1}{5}$

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



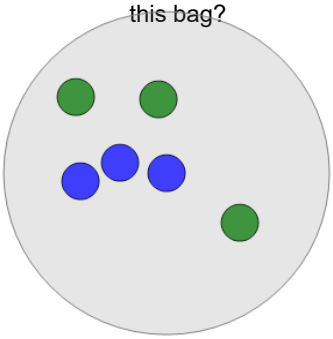
a	b	c
$\frac{2}{6} \cdot \frac{1}{3}$	$\frac{1}{3} \cdot \frac{1}{3}$	$\frac{1}{7} \cdot \frac{1}{5}$
d	**e**	**f**
$\frac{1}{3} \cdot \frac{1}{5}$	$\frac{1}{4} \cdot \frac{1}{4}$	$\frac{1}{2} \cdot 0$

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



a	b	c
$\frac{1}{6} \cdot \frac{1}{4}$	$\frac{3}{7} \cdot \frac{1}{5}$	$\frac{1}{2} \cdot 0$
d	**e**	**f**
$\frac{1}{4} \cdot \frac{1}{3}$	$\frac{3}{3} \cdot \frac{1}{5}$	$\frac{3}{4} \cdot \frac{1}{4}$

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



a	b	c
$\frac{7}{15} \cdot \frac{1}{4}$	$\frac{6}{9} \cdot \frac{4}{7}$	$\frac{5}{3} \cdot \frac{1}{4}$
d	**e**	**f**
$\frac{1}{6} \cdot \frac{2}{12}$	$\frac{6}{4} \cdot \frac{3}{9}$	$\frac{3}{6} \cdot \frac{2}{5}$