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

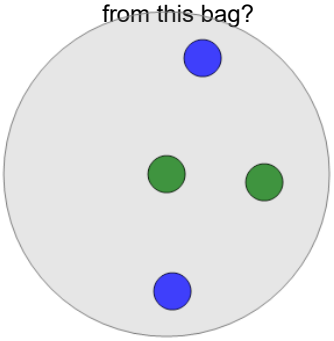
Learn online:

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

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

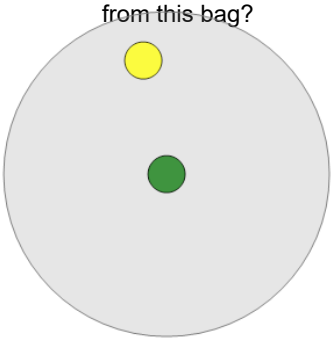
a	b	c
$\frac{9}{8} \cdot \frac{2}{9}$	$\frac{3}{5} \cdot \frac{1}{7}$	$\frac{7}{9} \cdot \frac{4}{6}$
d	**e**	**f**
$\frac{2}{4} \cdot \frac{5}{6}$	$\frac{9}{11} \cdot \frac{1}{8}$	$\frac{4}{4} \cdot \frac{3}{3}$

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



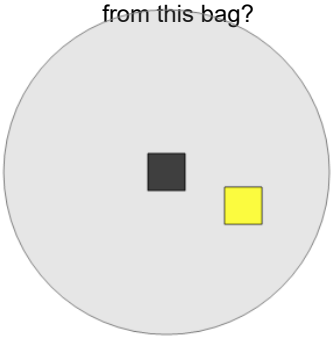
a	b	c
$\frac{2}{3} \cdot \frac{1}{8}$	$\frac{2}{11} \cdot \frac{1}{7}$	$\frac{2}{4} \cdot \frac{1}{3}$
d	**e**	**f**
$\frac{2}{3} \cdot \frac{3}{5}$	$\frac{4}{10} \cdot \frac{1}{5}$	$\frac{1}{11} \cdot \frac{1}{6}$

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



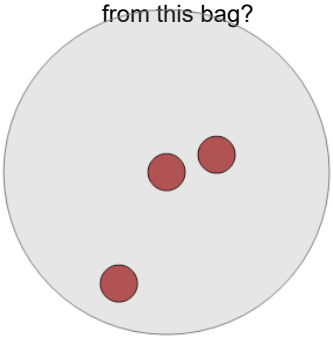
a	b	c
$\frac{2}{6} \cdot \frac{1}{3}$	$\frac{1}{6} \cdot \frac{1}{4}$	$\frac{1}{6} \cdot \frac{1}{3}$
d	**e**	**f**
$\frac{2}{6} \cdot \frac{1}{3}$	$\frac{1}{7} \cdot \frac{1}{5}$	$\frac{1}{2} \cdot 0$

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



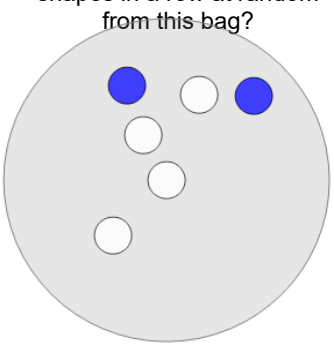
a	b	c
$\frac{1}{5} \cdot \frac{1}{4}$	$\frac{2}{7} \cdot \frac{1}{3}$	$\frac{2}{5} \cdot \frac{1}{4}$
d	**e**	**f**
$\frac{2}{7} \cdot \frac{1}{4}$	$\frac{2}{6} \cdot \frac{1}{4}$	$\frac{1}{2} \cdot 0$

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



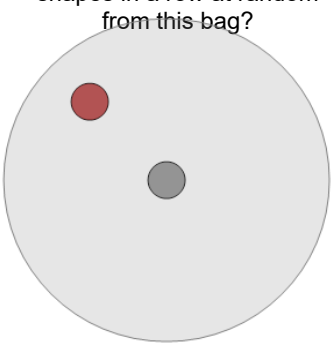
a	b	c
$\frac{6}{4} \cdot \frac{1}{6}$	$\frac{2}{5} \cdot \frac{1}{4}$	$\frac{2}{6} \cdot \frac{1}{5}$
d	**e**	**f**
$\frac{1}{7} \cdot \frac{1}{3}$	$\frac{4}{7} \cdot \frac{3}{7}$	$\frac{3}{3} \cdot \frac{2}{2}$

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



a	b	c
$\frac{6}{3} \cdot \frac{7}{7}$	$\frac{2}{14} \cdot \frac{7}{8}$	$\frac{8}{11} \cdot \frac{3}{6}$
d	**e**	**f**
$\frac{4}{6} \cdot \frac{3}{5}$	$\frac{8}{8} \cdot \frac{5}{12}$	$\frac{9}{6} \cdot \frac{5}{13}$

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



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