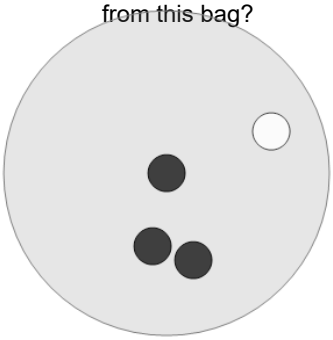
Math worksheet on *'Probability - Shapes, One Set of Two Shapes, Two Colors - Pick Two by Color, To Fraction Equation (Level 1)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Practice'*

Learn online:

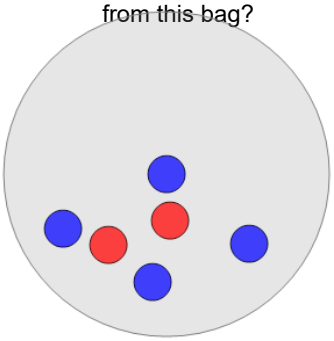
app.mobius.academy/math/units/probability_counting_multiple_event_practice/

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



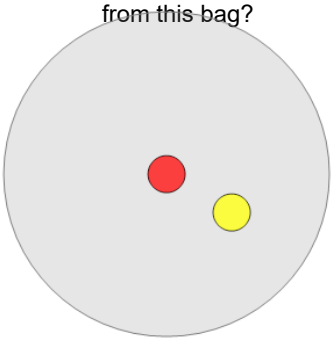
a	b	c
$\frac{7}{3} \cdot \frac{4}{4}$	$\frac{3}{7} \cdot \frac{5}{6}$	$\frac{3}{4} \cdot \frac{2}{3}$
d	**e**	**f**
$\frac{2}{5} \cdot \frac{5}{6}$	$\frac{2}{6} \cdot \frac{1}{6}$	$\frac{1}{3} \cdot \frac{5}{6}$

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



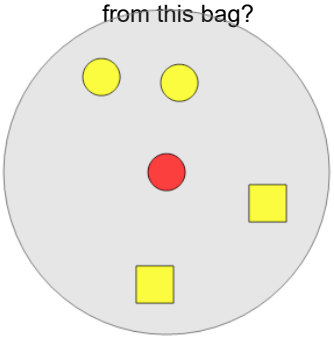
a	b	c
$\frac{7}{15} \cdot \frac{7}{11}$	$\frac{2}{9} \cdot \frac{2}{13}$	$\frac{6}{6} \cdot \frac{2}{7}$
d	**e**	**f**
$\frac{8}{11} \cdot \frac{3}{6}$	$\frac{6}{3} \cdot \frac{2}{11}$	$\frac{4}{6} \cdot \frac{3}{5}$

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



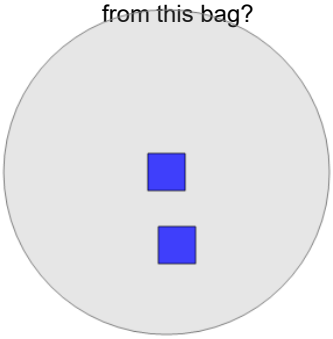
a	b	c
$\frac{1}{4} \cdot \frac{1}{4}$	$\frac{3}{7} \cdot \frac{1}{4}$	$\frac{1}{2} \cdot 0$
d	**e**	**f**
$\frac{2}{3} \cdot \frac{1}{4}$	$\frac{1}{6} \cdot \frac{1}{5}$	$\frac{2}{7} \cdot \frac{1}{3}$

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



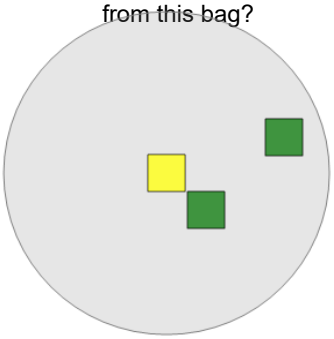
a	b	c
$\frac{9}{10} \cdot \frac{5}{6}$	$\frac{8}{3} \cdot \frac{2}{4}$	$\frac{4}{5} \cdot \frac{3}{4}$
d	**e**	**f**
$\frac{4}{3} \cdot \frac{6}{3}$	$\frac{7}{10} \cdot \frac{7}{7}$	$\frac{2}{7} \cdot \frac{2}{9}$

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



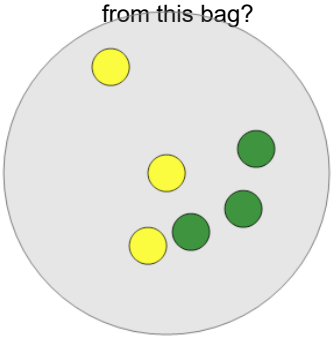
a	b	c
$\frac{4}{7} \cdot \frac{3}{5}$	$\frac{1}{7} \cdot \frac{1}{5}$	$\frac{1}{6} \cdot \frac{2}{5}$
d	**e**	**f**
$\frac{5}{4} \cdot \frac{2}{4}$	$\frac{5}{4} \cdot \frac{3}{5}$	$\frac{2}{2} \cdot 1$

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



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

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



a	b	c
$\frac{1}{14} \cdot \frac{3}{3}$	$\frac{3}{6} \cdot \frac{2}{5}$	$\frac{5}{15} \cdot \frac{1}{7}$
d	**e**	**f**
$\frac{4}{6} \cdot \frac{3}{3}$	$\frac{6}{11} \cdot \frac{2}{8}$	$\frac{5}{13} \cdot \frac{1}{10}$