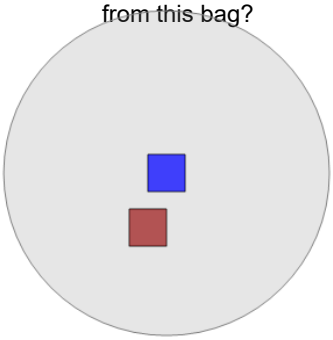
Math worksheet on *'Probability - Shapes, One Set of Two Shapes, Two Colors - Pick Two by Color, To Fraction Equation (Level 2)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Practice'*

Learn online:

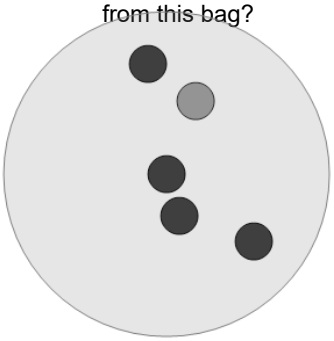
app.mobius.academy/math/units/probability_counting_multiple_event_practice/

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



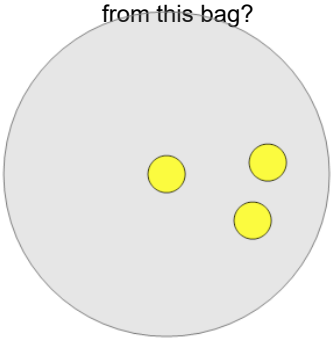
a	b	c
$\frac{1}{5} \cdot \frac{1}{3}$	$\frac{3}{5} \cdot \frac{1}{5}$	$\frac{1}{2} \cdot 0$
d	**e**	**f**
$\frac{2}{6} \cdot \frac{1}{5}$	$\frac{2}{7} \cdot \frac{1}{4}$	$\frac{1}{7} \cdot \frac{1}{4}$

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



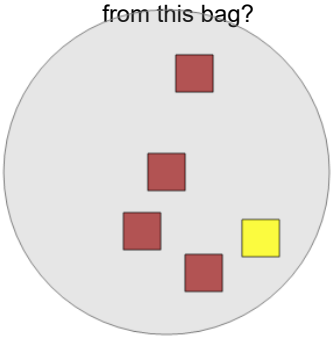
a	b	c
$\frac{4}{5} \cdot \frac{3}{4}$	$\frac{3}{13} \cdot \frac{1}{4}$	$\frac{5}{4} \cdot \frac{5}{5}$
d	**e**	**f**
$\frac{8}{6} \cdot \frac{7}{10}$	$\frac{2}{8} \cdot \frac{3}{6}$	$\frac{6}{4} \cdot \frac{2}{10}$

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



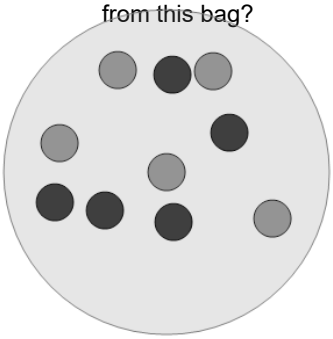
a	b	c
$\frac{5}{6} \cdot \frac{1}{7}$	$\frac{3}{3} \cdot \frac{2}{2}$	$\frac{1}{5} \cdot \frac{5}{3}$
d	**e**	**f**
$\frac{5}{7} \cdot \frac{2}{6}$	$\frac{2}{5} \cdot \frac{1}{5}$	$\frac{2}{6} \cdot \frac{3}{6}$

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



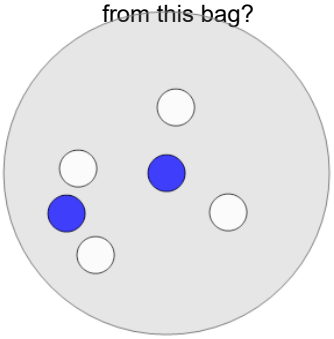
a	b	c
$\frac{7}{11} \cdot \frac{1}{7}$	$\frac{4}{5} \cdot \frac{3}{4}$	$\frac{4}{6} \cdot \frac{7}{4}$
d	**e**	**f**
$\frac{5}{4} \cdot \frac{7}{3}$	$\frac{9}{6} \cdot \frac{2}{5}$	$\frac{2}{7} \cdot \frac{2}{4}$

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



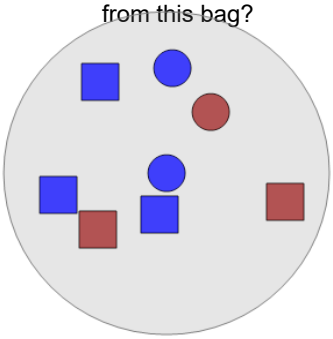
a	b	c
$\frac{3}{18} \cdot \frac{2}{11}$	$\frac{11}{9} \cdot \frac{9}{18}$	$\frac{5}{10} \cdot \frac{4}{9}$
d	**e**	**f**
$\frac{9}{14} \cdot \frac{9}{13}$	$\frac{1}{7} \cdot \frac{5}{12}$	$\frac{9}{7} \cdot \frac{6}{3}$

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



a	b	c
$\frac{3}{10} \cdot \frac{3}{4}$	$\frac{1}{15} \cdot \frac{2}{9}$	$\frac{5}{13} \cdot \frac{3}{8}$
d	**e**	**f**
$\frac{2}{6} \cdot \frac{1}{5}$	$\frac{1}{12} \cdot \frac{3}{8}$	$\frac{5}{14} \cdot \frac{3}{13}$

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



a	b	c
$\frac{3}{8} \cdot \frac{6}{7}$	$\frac{1}{9} \cdot \frac{9}{10}$	$\frac{4}{9} \cdot \frac{5}{17}$
d	**e**	**f**
$\frac{7}{11} \cdot \frac{3}{7}$	$\frac{5}{8} \cdot \frac{4}{7}$	$\frac{9}{8} \cdot \frac{6}{5}$