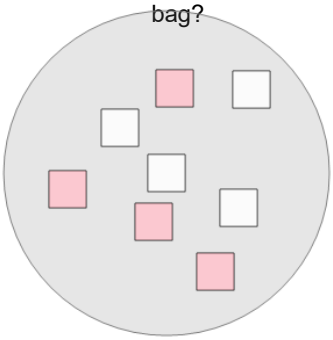
Math worksheet on *'Probability - Shapes, One Set of Two Shapes, Two Colors - Pick Two by Shape, To Fraction Equation (Level 2)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Practice'*

Learn online:

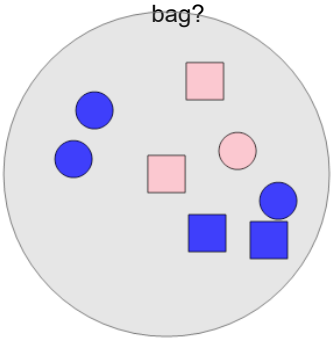
app.mobius.academy/math/units/probability_counting_multiple_event_practice/

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



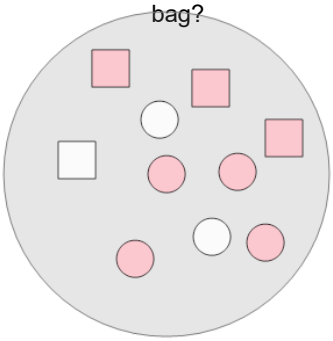
a	b	c
$\frac{8}{9} \cdot \frac{13}{7}$	$\frac{5}{18} \cdot \frac{1}{7}$	$\frac{1}{3} \cdot \frac{8}{13}$
d	**e**	**f**
$\frac{9}{8} \cdot \frac{2}{8}$	$\frac{14}{3} \cdot \frac{14}{4}$	$\frac{8}{8} \cdot \frac{7}{7}$

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



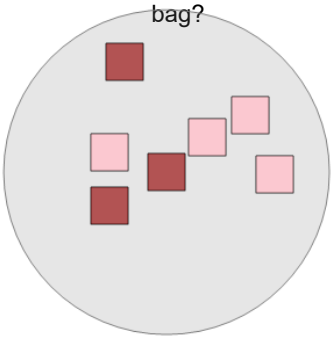
a	b	c
$\frac{5}{13} \cdot \frac{5}{16}$	$\frac{8}{18} \cdot \frac{4}{5}$	$\frac{4}{8} \cdot \frac{3}{7}$
d	**e**	**f**
$\frac{6}{17} \cdot \frac{4}{5}$	$\frac{5}{8} \cdot \frac{2}{3}$	$\frac{2}{16} \cdot \frac{5}{12}$

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



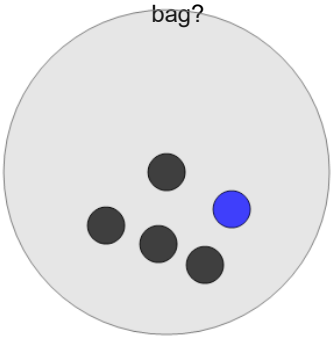
a	b	c
$\frac{6}{17} \cdot \frac{1}{17}$	$\frac{4}{10} \cdot \frac{3}{9}$	$\frac{5}{11} \cdot \frac{6}{21}$
d	**e**	**f**
$\frac{5}{19} \cdot \frac{4}{19}$	$\frac{7}{8} \cdot \frac{5}{21}$	$\frac{7}{21} \cdot \frac{1}{21}$

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



a	b	c
$\frac{2}{16} \cdot \frac{3}{13}$	$\frac{5}{10} \cdot \frac{10}{12}$	$\frac{7}{13} \cdot \frac{6}{5}$
d	**e**	**f**
$\frac{1}{5} \cdot \frac{4}{12}$	$\frac{6}{7} \cdot \frac{3}{9}$	$\frac{7}{7} \cdot \frac{6}{6}$

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

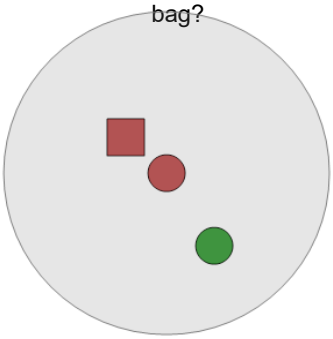


a	b	c
$\frac{6}{3} \cdot \frac{3}{9}$	$\frac{5}{5} \cdot \frac{4}{4}$	$\frac{7}{8} \cdot \frac{4}{7}$
d	**e**	**f**
$\frac{2}{10} \cdot \frac{3}{5}$	$\frac{9}{10} \cdot \frac{5}{4}$	$\frac{8}{7} \cdot \frac{8}{4}$

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

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

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



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