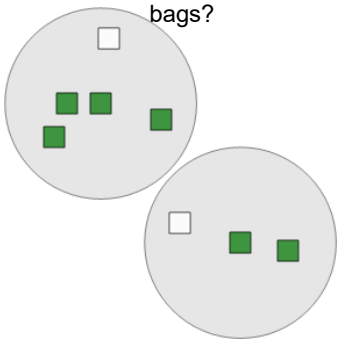
mobius

Math worksheet on *'Probability - Shapes, Two Sets 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 - Intro'*

Learn online:

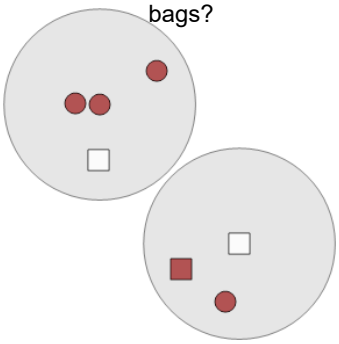
app.mobius.academy/math/units/probability_counting_multiple_event_intro/

1 What is the equation for the chance of drawing a white square at random from both bags?



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

2 What is the equation for the chance of drawing a brown circle at random from both bags?

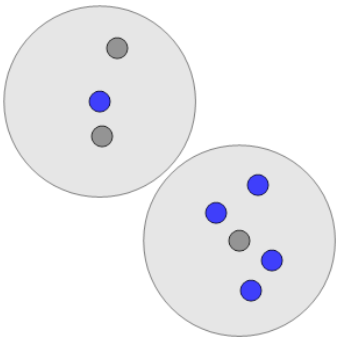


a	b	c
$\frac{3}{4} \cdot \frac{1}{3}$	$\frac{2}{8} \cdot \frac{3}{6}$	$\frac{7}{9} \cdot \frac{2}{9}$
d	**e**	**f**
$\frac{7}{3} \cdot \frac{3}{5}$	$\frac{1}{11} \cdot \frac{2}{9}$	$\frac{4}{7} \cdot \frac{3}{4}$

3 What is the equation for the chance of drawing a brown square at random from both bags?

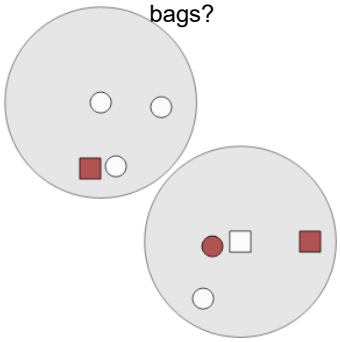
a	b	c
$\frac{2}{2} \cdot \frac{2}{4}$	$\frac{1}{3} \cdot \frac{3}{5}$	$\frac{3}{5} \cdot \frac{1}{7}$
d	**e**	**f**
$\frac{3}{7} \cdot \frac{3}{5}$	$\frac{4}{5} \cdot \frac{1}{4}$	$\frac{4}{6} \cdot \frac{3}{10}$

4 What is the equation for the chance of drawing a gray circle at random from both bags?



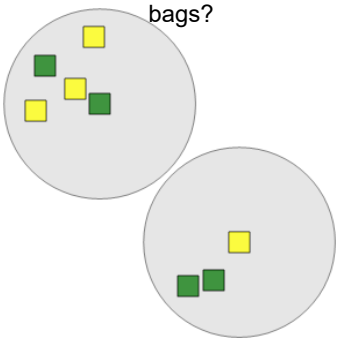
a	b	c
$\frac{2}{7} \cdot \frac{3}{13}$	$\frac{1}{7} \cdot \frac{1}{3}$	$\frac{3}{3} \cdot \frac{2}{9}$
d	**e**	**f**
$\frac{5}{8} \cdot \frac{1}{12}$	$\frac{2}{3} \cdot \frac{1}{5}$	$\frac{5}{6} \cdot \frac{2}{11}$

5 What is the equation for the chance of drawing a brown square at random from both bags?



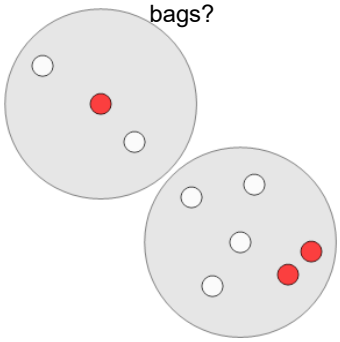
a	b	c
$\frac{1}{6} \cdot \frac{3}{7}$	$\frac{1}{6} \cdot \frac{3}{10}$	$\frac{3}{8} \cdot \frac{3}{8}$
d	**e**	**f**
$\frac{3}{9} \cdot \frac{1}{11}$	$\frac{1}{3} \cdot \frac{1}{6}$	$\frac{1}{4} \cdot \frac{1}{4}$

6 What is the equation for the chance of drawing a green square at random from both bags?



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

7 What is the equation for the chance of drawing a white circle at random from both bags?



a	b	c
$\frac{3}{4} \cdot \frac{6}{8}$	$\frac{4}{5} \cdot \frac{1}{13}$	$\frac{2}{3} \cdot \frac{4}{6}$
d	**e**	**f**
$\frac{4}{7} \cdot \frac{2}{7}$	$\frac{4}{8} \cdot \frac{4}{9}$	$\frac{1}{4} \cdot \frac{3}{9}$