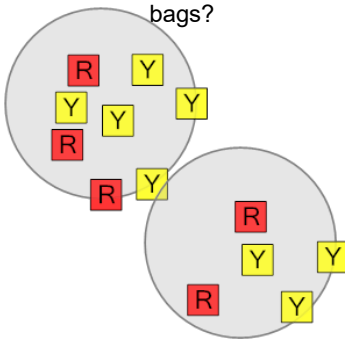
mobius

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

Learn online:

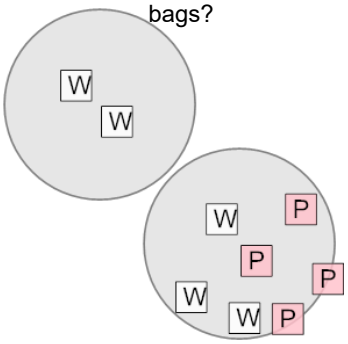
app.mobius.academy/math/units/probability_counting_multiple_event_practice/

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



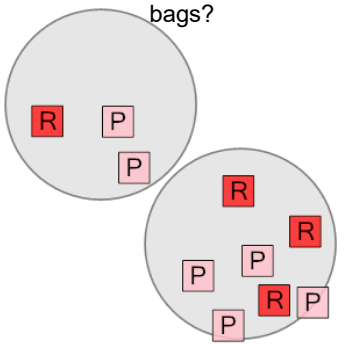
a	b	c
$\frac{1}{2} \cdot \frac{2}{2}$	$\frac{1}{8} \cdot \frac{1}{8}$	$\frac{5}{8} \cdot \frac{3}{5}$
d	**e**	**f**
$\frac{2}{3} \cdot \frac{5}{8}$	$\frac{2}{3} \cdot \frac{1}{3}$	$\frac{1}{4} \cdot \frac{2}{2}$

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



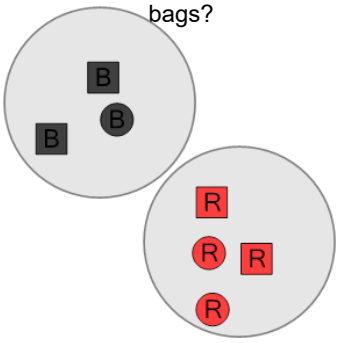
a	b	c
$\frac{4}{6} \cdot \frac{2}{3}$	$\frac{2}{2} \cdot \frac{3}{7}$	$\frac{2}{3} \cdot \frac{6}{8}$
d	**e**	**f**
$\frac{1}{10} \cdot \frac{4}{8}$	$\frac{3}{8} \cdot \frac{1}{8}$	$\frac{4}{8} \cdot \frac{1}{2}$

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



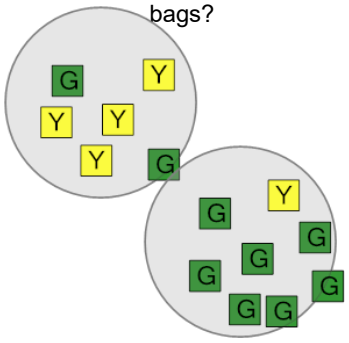
a	b	c
$\frac{4}{8} \cdot \frac{2}{4}$	$\frac{2}{3} \cdot \frac{4}{7}$	$\frac{2}{10} \cdot \frac{4}{5}$
d	**e**	**f**
$\frac{3}{5} \cdot \frac{2}{10}$	$\frac{2}{10} \cdot \frac{5}{8}$	$\frac{1}{4} \cdot \frac{2}{3}$

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



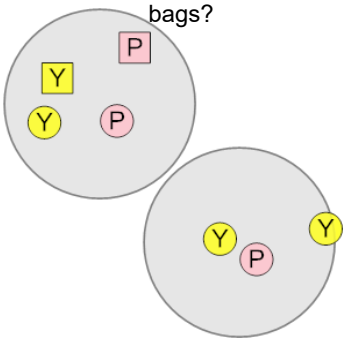
a	b	c
$\frac{2}{2} \cdot \frac{1}{2}$	$\frac{2}{3} \cdot 0$	$\frac{1}{6} \cdot \frac{1}{3}$
d	**e**	**f**
$\frac{3}{3} \cdot \frac{1}{6}$	$\frac{5}{5} \cdot \frac{1}{4}$	$\frac{3}{4} \cdot \frac{1}{6}$

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



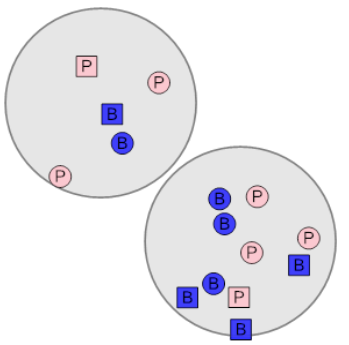
a	b	c
$\frac{1}{4} \cdot \frac{1}{5}$	$\frac{2}{8} \cdot \frac{2}{3}$	$\frac{3}{6} \cdot \frac{2}{8}$
d	**e**	**f**
$\frac{4}{6} \cdot \frac{1}{8}$	$\frac{5}{8} \cdot \frac{1}{2}$	$\frac{3}{3} \cdot \frac{1}{6}$

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



a	b	c
$\frac{1}{2} \cdot \frac{1}{5}$	$\frac{1}{8} \cdot \frac{1}{5}$	$\frac{3}{4} \cdot \frac{1}{3}$
d	**e**	**f**
$\frac{1}{4} \cdot 0$	$\frac{1}{6} \cdot \frac{1}{5}$	$\frac{3}{5} \cdot \frac{1}{6}$

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



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