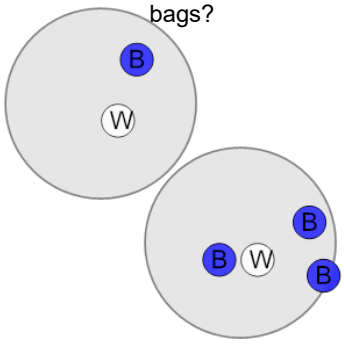
mobius

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

Learn online:

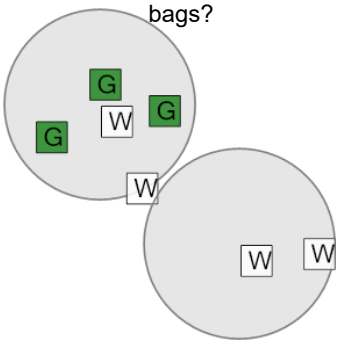
app.mobius.academy/math/units/probability_counting_multiple_event_intro/

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



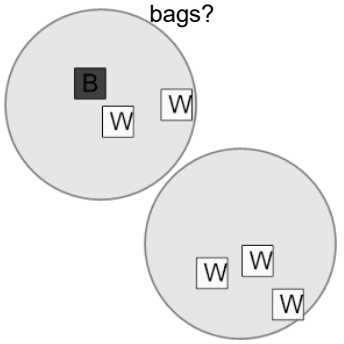
a	b	c
$\frac{1}{3} \cdot \frac{3}{3}$	$\frac{3}{3} \cdot \frac{3}{5}$	$\frac{2}{5} \cdot \frac{6}{6}$
d	**e**	**f**
$\frac{2}{8} \cdot \frac{4}{8}$	$\frac{1}{4} \cdot \frac{3}{3}$	$\frac{1}{2} \cdot \frac{3}{4}$

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



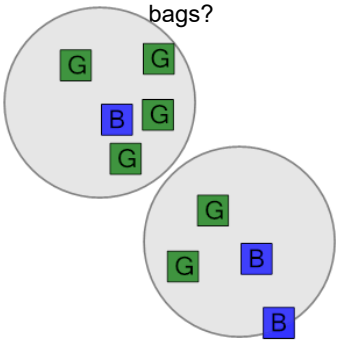
a	b	c
$\frac{1}{2} \cdot \frac{2}{3}$	$\frac{2}{5} \cdot \frac{2}{2}$	$\frac{5}{5} \cdot \frac{3}{4}$
d	**e**	**f**
$\frac{2}{2} \cdot \frac{1}{3}$	$\frac{1}{4} \cdot \frac{5}{10}$	$\frac{3}{3} \cdot \frac{4}{5}$

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



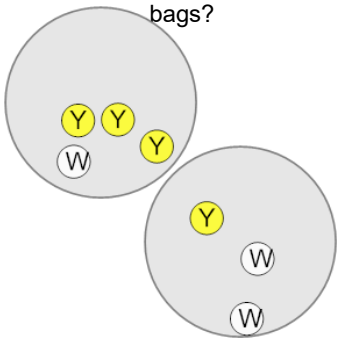
a	b	c
$\frac{3}{3} \cdot \frac{1}{6}$	$\frac{3}{4} \cdot \frac{1}{6}$	$\frac{2}{3} \cdot \frac{3}{3}$
d	**e**	**f**
$\frac{1}{4} \cdot \frac{1}{8}$	$\frac{1}{5} \cdot \frac{3}{10}$	$\frac{1}{2} \cdot \frac{1}{5}$

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



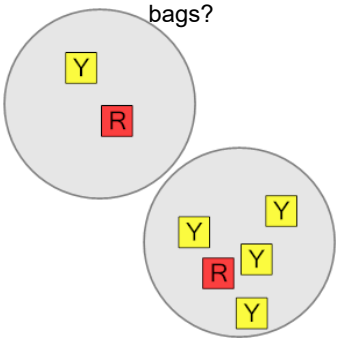
a	b	c
$\frac{4}{4} \cdot \frac{1}{5}$	$\frac{1}{8} \cdot \frac{4}{6}$	$\frac{9}{10} \cdot \frac{1}{4}$
d	**e**	**f**
$\frac{7}{10} \cdot \frac{1}{6}$	$\frac{4}{5} \cdot \frac{2}{4}$	$\frac{3}{5} \cdot \frac{3}{4}$

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



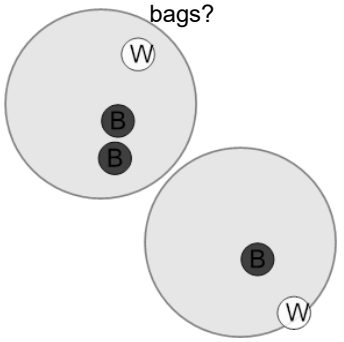
a	b	c
$\frac{2}{10} \cdot \frac{1}{4}$	$\frac{2}{5} \cdot \frac{4}{10}$	$\frac{1}{8} \cdot \frac{1}{4}$
d	**e**	**f**
$\frac{1}{4} \cdot \frac{2}{3}$	$\frac{3}{10} \cdot \frac{3}{6}$	$\frac{3}{4} \cdot \frac{5}{5}$

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



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

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



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