

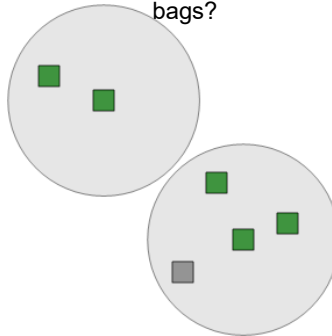


Math worksheet on 'Probability - Shapes, Two Sets of Two Shapes, Two Colors - Pick Two by Color, To Fraction Equation (Level 1)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Intro'

Learn online:

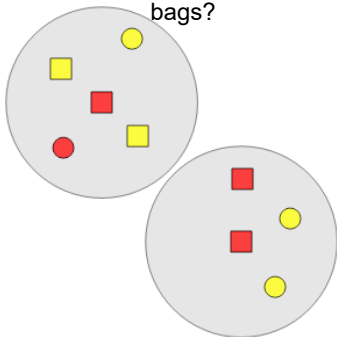
app.mobius.academy/math/units/probability_counting_multiple_event_intro/

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



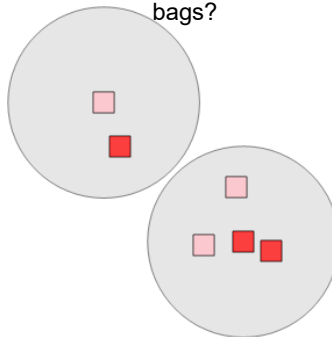
a	$\frac{2}{4} \cdot \frac{2}{6}$	b	$\frac{5}{3} \cdot \frac{1}{8}$	c	$\frac{1}{5} \cdot \frac{6}{4}$
d	$\frac{4}{6} \cdot \frac{3}{3}$	e	$\frac{4}{7} \cdot \frac{7}{10}$	f	$\frac{2}{2} \cdot \frac{3}{4}$

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



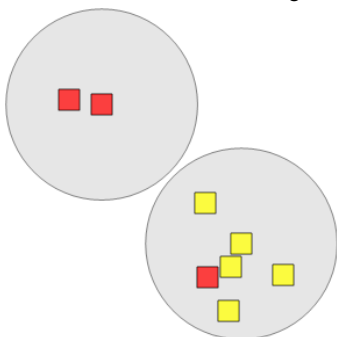
a	$\frac{5}{11} \cdot \frac{2}{3}$	b	$\frac{7}{4} \cdot \frac{1}{5}$	c	$\frac{4}{10} \cdot \frac{1}{11}$
d	$\frac{3}{5} \cdot \frac{2}{4}$	e	$\frac{1}{6} \cdot \frac{5}{8}$	f	$\frac{5}{13} \cdot \frac{4}{11}$

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



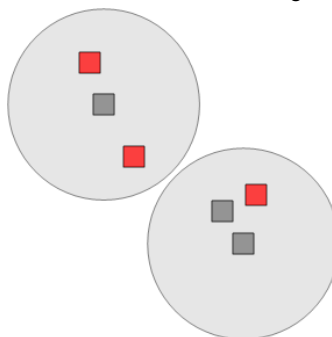
a	$\frac{1}{2} \cdot \frac{2}{4}$	b	$\frac{3}{3} \cdot \frac{3}{7}$	c	$\frac{3}{3} \cdot \frac{1}{5}$
d	$\frac{1}{3} \cdot \frac{2}{7}$	e	$\frac{3}{7} \cdot \frac{4}{9}$	f	$\frac{3}{4} \cdot \frac{1}{7}$

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



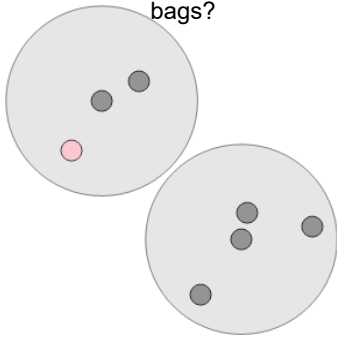
a	$\frac{2}{4} \cdot \frac{1}{7}$	b	$\frac{3}{5} \cdot \frac{1}{7}$	c	$\frac{2}{7} \cdot \frac{3}{11}$
d	$\frac{2}{2} \cdot \frac{1}{6}$	e	$\frac{3}{5} \cdot \frac{3}{11}$	f	$\frac{3}{6} \cdot \frac{1}{13}$

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



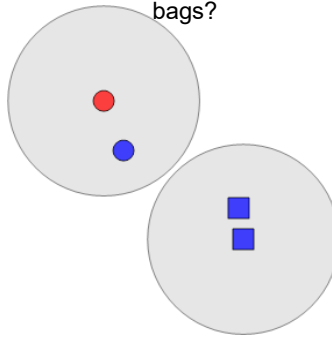
a	$\frac{2}{4} \cdot \frac{1}{4}$	b	$\frac{3}{9} \cdot \frac{3}{7}$	c	$\frac{3}{5} \cdot \frac{3}{6}$
d	$\frac{2}{3} \cdot \frac{1}{3}$	e	$\frac{3}{9} \cdot \frac{1}{4}$	f	$\frac{3}{5} \cdot \frac{2}{9}$

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



a	$\frac{4}{8} \cdot \frac{2}{11}$	b	$\frac{4}{7} \cdot \frac{6}{11}$	c	$\frac{3}{8} \cdot \frac{9}{11}$
d	$\frac{5}{9} \cdot \frac{6}{10}$	e	$\frac{2}{7} \cdot \frac{8}{9}$	f	$\frac{2}{3} \cdot \frac{4}{4}$

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



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