

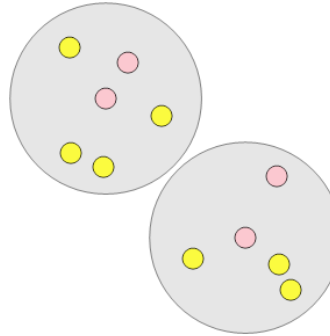


Math worksheet on 'Probability - Shapes, Two Sets of One Shape, Two Colors - Pick Two by Color, To Fraction (Level 2)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Practice'

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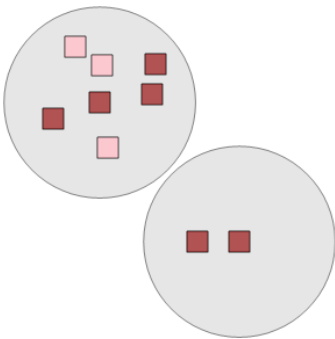
app.mobius.academy/math/units/probability_counting_multiple_event_practice/

1 What is the chance of drawing a pink shape at random from both bags?



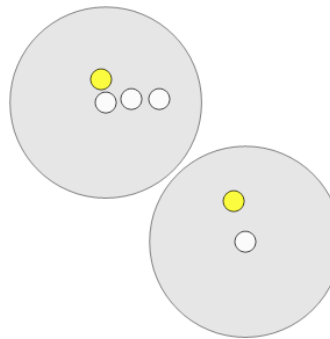
a	$\frac{3}{25}$	b	$\frac{9}{10}$	c	$\frac{2}{6}$
d	$\frac{7}{30}$	e	$\frac{4}{30}$	f	$\frac{2}{23}$

2 What is the chance of drawing a pink shape at random from both bags?



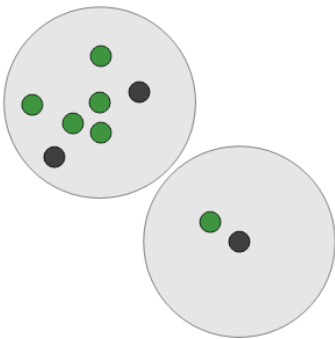
a	$\frac{1}{15}$	b	$\frac{0}{3}$	c	$\frac{1}{3}$
d	$\frac{1}{31}$	e	$\frac{1}{27}$	f	$\frac{1}{10}$

3 What is the chance of drawing a yellow shape at random from both bags?



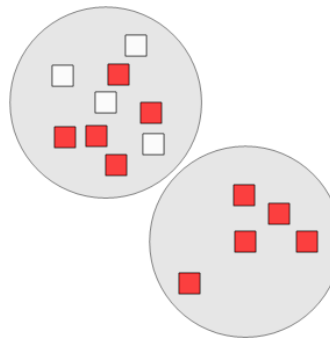
a	$\frac{3}{11}$	b	$\frac{1}{18}$	c	$\frac{2}{7}$
d	$\frac{1}{8}$	e	$\frac{3}{8}$	f	$\frac{2}{11}$

4 What is the chance of drawing a black shape at random from both bags?



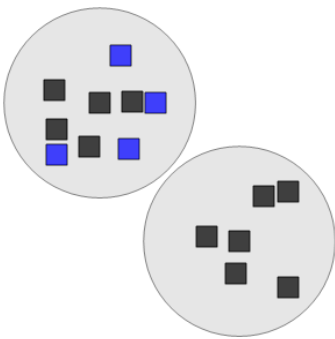
a	$\frac{5}{22}$	b	$\frac{4}{21}$	c	$\frac{5}{22}$
d	$\frac{4}{6}$	e	$\frac{2}{14}$	f	$\frac{3}{14}$

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



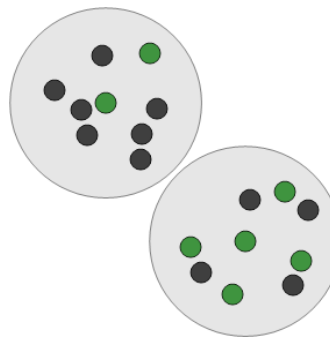
a	$\frac{43}{70}$	b	$\frac{41}{38}$	c	$\frac{34}{63}$
d	$\frac{25}{45}$	e	$\frac{22}{63}$	f	$\frac{47}{50}$

6 What is the chance of drawing a black shape at random from both bags?



a	$\frac{30}{54}$	b	$\frac{40}{54}$	c	$\frac{11}{68}$
d	$\frac{49}{62}$	e	$\frac{61}{107}$	f	$\frac{13}{13}$

7 What is the chance of drawing a green shape at random from both bags?



a	$\frac{2}{18}$	b	$\frac{11}{29}$	c	$\frac{10}{81}$
d	$\frac{11}{53}$	e	$\frac{13}{26}$	f	$\frac{18}{54}$