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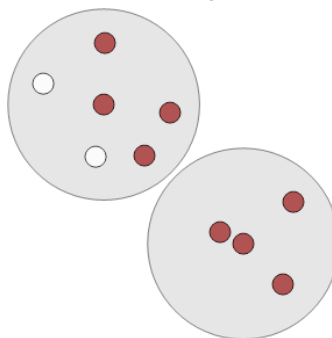
Math worksheet on *'Probability - Shapes, Two Sets of Two Shapes, Two Colors - Pick Two by Color, To Fraction (Level 2)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Practice'*
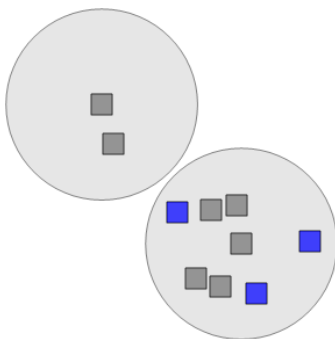
Learn online:

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

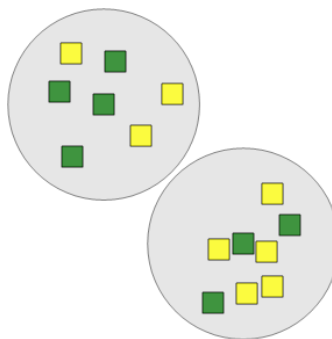**1** What is the chance of drawing a brown shape at random from both bags?

a	b	c
$\dfrac{15}{31}$	$\dfrac{31}{11}$	$\dfrac{19}{12}$
d $\dfrac{33}{15}$	**e** $\dfrac{9}{21}$	**f** $\dfrac{16}{24}$

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

a	b	c
$\dfrac{18}{27}$	$\dfrac{12}{15}$	$\dfrac{10}{16}$
d $\dfrac{8}{34}$	**e** $\dfrac{21}{14}$	**f** $\dfrac{19}{20}$

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

a	b	c
$\dfrac{1}{3}$	$\dfrac{18}{85}$	$\dfrac{5}{69}$
d $\dfrac{30}{17}$	**e** $\dfrac{1}{107}$	**f** $\dfrac{15}{56}$

4 What is the chance of drawing a green shape at random from both bags?
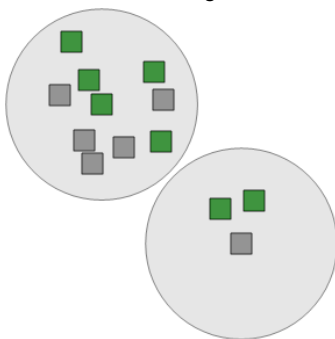
a	b	c
$\dfrac{7}{3}$	$\dfrac{4}{30}$	$\dfrac{20}{24}$
d $\dfrac{11}{3}$	**e** $\dfrac{20}{19}$	**f** $\dfrac{10}{30}$

5 What is the chance of drawing a blue shape at random from both bags?
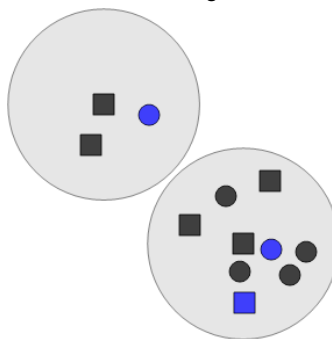
a	b	c
$\dfrac{3}{52}$	$\dfrac{5}{34}$	$\dfrac{1}{46}$
d $\dfrac{2}{27}$	**e** $\dfrac{4}{25}$	**f** $\dfrac{2}{17}$

6 What is the chance of drawing a brown shape at random from both bags?
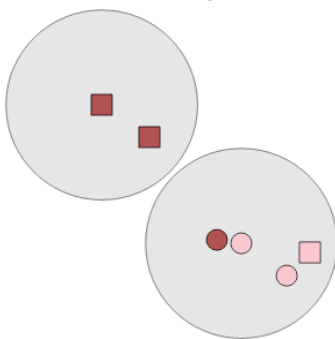
a	b	c
$\dfrac{4}{14}$	$\dfrac{4}{5}$	$\dfrac{2}{8}$
d $\dfrac{4}{18}$	**e** $\dfrac{1}{12}$	**f** $\dfrac{2}{16}$

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

a	b	c
$\dfrac{11}{18}$	$\dfrac{9}{4}$	$\dfrac{13}{9}$
d $\dfrac{8}{8}$	**e** $\dfrac{6}{12}$	**f** $\dfrac{11}{10}$