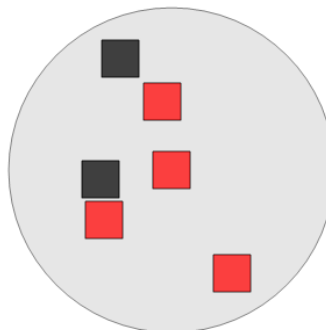# mobius

Math worksheet on *'Probability - Shapes, One Set of One Shape, Two Colors - Pick One by Shape and Color, To Fraction (Level 2)'*. Part of a broader unit on *'Probability and Counting - Single Event - Advanced'*
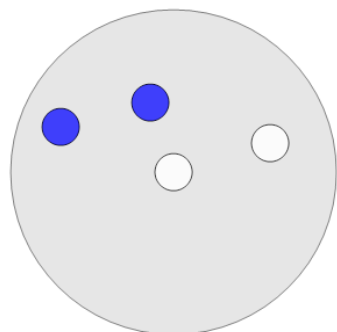
Learn online:

app.mobius.academy/math/units/probability_counting_single_event_advanced/

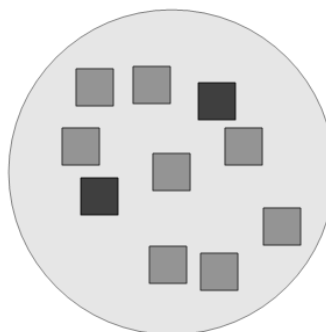**1** What is the chance of drawing a black square at random from this bag?

a	b	c
$\dfrac{2}{12}$	$\dfrac{2}{8}$	$\dfrac{5}{13}$
d	e	f
$\dfrac{1}{11}$	$\dfrac{2}{6}$	$\dfrac{5}{10}$

2 What is the chance of drawing a blue circle at random from this bag?

a	b	c
$\dfrac{2}{9}$	$\dfrac{1}{8}$	$\dfrac{2}{4}$
d	e	f
$\dfrac{2}{9}$	$\dfrac{5}{5}$	$\dfrac{5}{7}$

3 What is the chance of drawing a gray square at random from this bag?

a	b	c
$\dfrac{8}{10}$	$\dfrac{12}{11}$	$\dfrac{8}{12}$
d	e	f
$\dfrac{17}{23}$	$\dfrac{2}{12}$	$\dfrac{13}{16}$

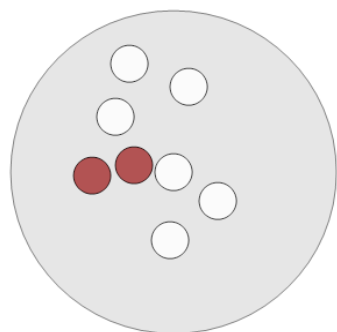**4** What is the chance of drawing a gray circle at random from this bag?
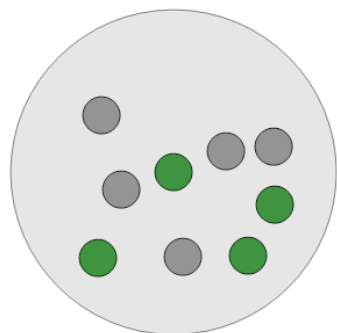
a	b	c
$\dfrac{11}{5}$	$\dfrac{1}{10}$	$\dfrac{6}{17}$
d	e	f
$\dfrac{2}{10}$	$\dfrac{2}{12}$	$\dfrac{5}{9}$

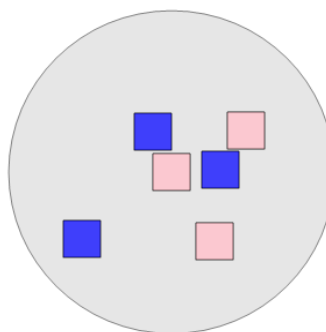**5** What is the chance of drawing a blue circle at random from this bag?
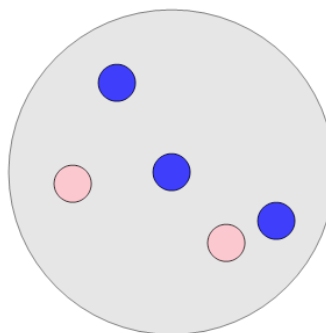
a	b	c
$\dfrac{3}{6}$	$\dfrac{7}{12}$	$\dfrac{3}{5}$
d	e	f
$\dfrac{7}{9}$	$\dfrac{4}{4}$	$\dfrac{7}{6}$

6 What is the chance of drawing a white circle at random from this bag?

a	b	c
$\dfrac{3}{19}$	$\dfrac{9}{8}$	$\dfrac{11}{4}$
d	e	f
$\dfrac{1}{19}$	$\dfrac{6}{8}$	$\dfrac{2}{8}$

7 What is the chance of drawing a blue square at random from this bag?

a	b	c
$\dfrac{2}{7}$	$\dfrac{1}{10}$	$\dfrac{7}{6}$
d	e	f
$\dfrac{1}{4}$	$\dfrac{3}{6}$	$\dfrac{2}{11}$