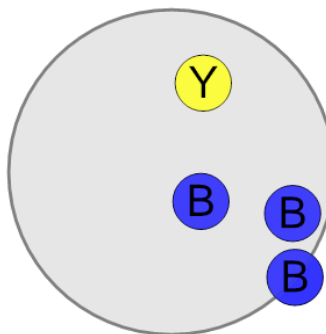# mobius

Math worksheet on *'Probability - Shapes, One Set of One Shape, Two Colors - Pick Two by Color, To Fraction (Level 1)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Advanced'*
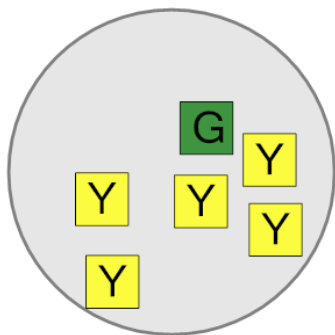
Learn online:
app.mobius.academy/math/units/probability_counting_multiple_event_advanced/

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1 What is the chance of drawing two yellow shapes in a row at random from this bag?
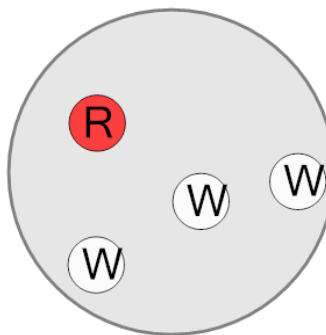

a	b	c
$\dfrac{1}{3}$	$\dfrac{1}{6}$	$\dfrac{1}{10}$
d	e	f
$\dfrac{1}{4}$	0	$\dfrac{1}{2}$

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2 What is the chance of drawing two yellow shapes in a row at random from this bag?

a	b	c
$\dfrac{1}{6}$	$\dfrac{20}{30}$	$\dfrac{2}{6}$
d	e	f
$\dfrac{1}{2}$	$\dfrac{5}{10}$	$\dfrac{1}{5}$

---

3 What is the chance of drawing two white shapes in a row at random from this bag?

a	b	c
$\dfrac{6}{12}$	$\dfrac{9}{10}$	$\dfrac{5}{8}$
d	e	f
$\dfrac{1}{6}$	$\dfrac{1}{3}$	$\dfrac{2}{2}$

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4 What is the chance of drawing two blue shapes in a row at random from this bag?
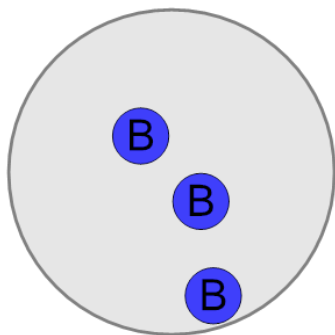
a	b	c
$\dfrac{1}{10}$	$\dfrac{5}{6}$	$\dfrac{6}{6}$
d	e	f
$\dfrac{2}{3}$	$\dfrac{2}{10}$	$\dfrac{3}{6}$

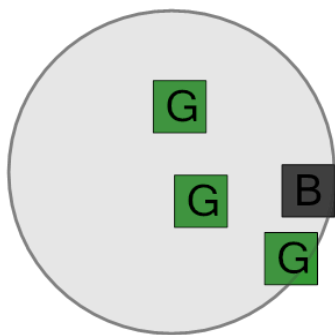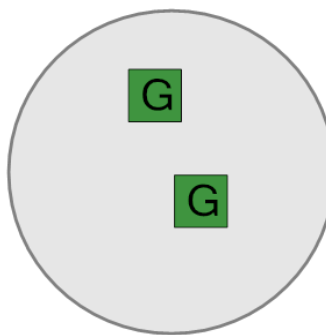**5** What is the chance of drawing two white shapes in a row at random from this bag?
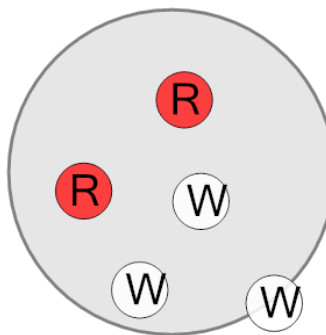
a	b	c
$\dfrac{6}{6}$	$\dfrac{4}{10}$	$\dfrac{1}{8}$
d	e	f
$\dfrac{3}{5}$	$\dfrac{6}{20}$	$\dfrac{8}{10}$

---

6 What is the chance of drawing two green shapes in a row at random from this bag?

a	b	c
$\dfrac{1}{5}$	$\dfrac{1}{3}$	$\dfrac{6}{12}$
d	e	f
$\dfrac{7}{10}$	$\dfrac{3}{4}$	$\dfrac{2}{8}$

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7 What is the chance of drawing two green shapes in a row at random from this bag?

a	b	c
$\dfrac{3}{6}$	$\dfrac{3}{5}$	$\dfrac{2}{10}$
d	e	f
$\dfrac{1}{10}$	$\dfrac{1}{2}$	$\dfrac{2}{2}$