# mobius

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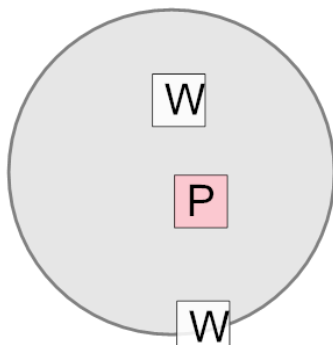
Learn online:
app.mobius.academy/math/units/probability_counting_multiple_event_advanced/

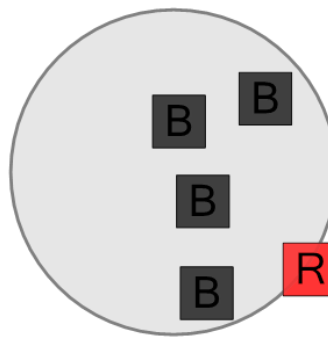**1** What is the chance of drawing two white circles in a row at random from this bag?
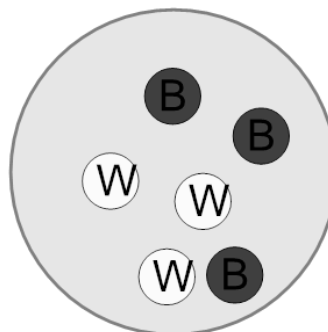
a	b	c
$\dfrac{6}{30}$	$\dfrac{6}{8}$	$\dfrac{5}{5}$
d	**e**	**f**
$\dfrac{1}{6}$	$\dfrac{2}{3}$	$\dfrac{8}{8}$

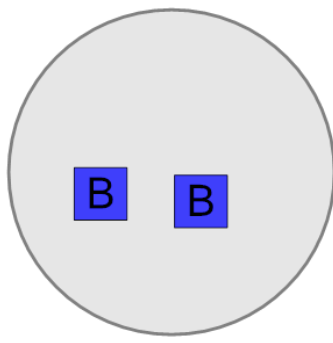**2** What is the chance of drawing two white squares in a row at random from this bag?

a	b	c
$\dfrac{5}{8}$	$\dfrac{2}{2}$	$\dfrac{5}{5}$
d	**e**	**f**
$\dfrac{4}{10}$	$\dfrac{5}{10}$	$\dfrac{2}{6}$

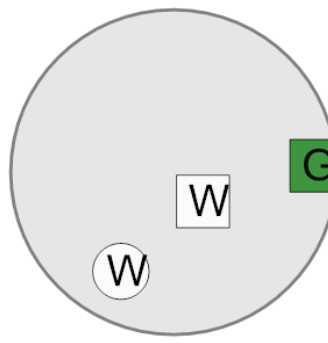**3** What is the chance of drawing two red squares in a row at random from this bag?

a	b	c
$\dfrac{1}{6}$	$\dfrac{1}{3}$	$\dfrac{1}{2}$
d	**e**	**f**
$\dfrac{1}{5}$	0	$\dfrac{1}{4}$

4 What is the chance of drawing two blue squares in a row at random from this bag?

a	b	c
$\dfrac{4}{5}$	$\dfrac{2}{10}$	$\dfrac{2}{2}$
d	**e**	**f**
$\dfrac{1}{2}$	$\dfrac{1}{5}$	$\dfrac{4}{6}$

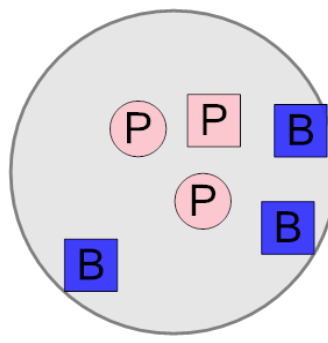**5** What is the chance of drawing two white squares in a row at random from this bag?

a	b	c
$\dfrac{1}{8}$	0	$\dfrac{1}{2}$
d	**e**	**f**
$\dfrac{1}{10}$	$\dfrac{1}{6}$	$\dfrac{1}{5}$

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

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

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

a	b	c
$\dfrac{2}{6}$	$\dfrac{5}{6}$	$\dfrac{5}{5}$
d	**e**	**f**
$\dfrac{6}{30}$	$\dfrac{1}{6}$	$\dfrac{2}{3}$