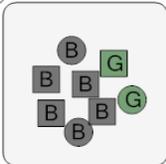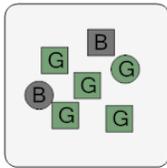# Probability - Shapes, Two Sets of Two Shapes, Two Colors - Pick Two by Shape and Color, To Fraction

1 What is the chance of drawing a black circle at random from both bags?

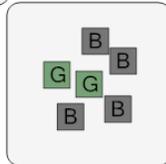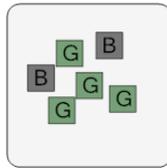| A	B	C
$\dfrac{2}{56}$	$\dfrac{2}{2}$	$\dfrac{5}{8}$
D	**E**	**F**
$\dfrac{4}{4}$	$\dfrac{4}{6}$	$\dfrac{4}{10}$

2 What is the chance of drawing a black square at random from both bags?

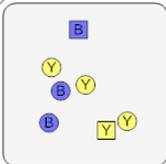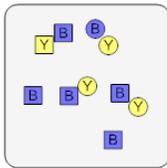| A	B	C
$\dfrac{2}{5}$	$\dfrac{8}{8}$	$\dfrac{3}{5}$
D	**E**	**F**
$\dfrac{8}{36}$	$\dfrac{7}{8}$	$\dfrac{4}{4}$

3 What is the chance of drawing a blue square at random from both bags?

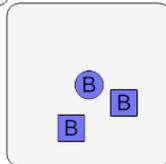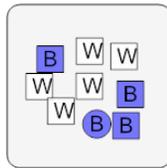| A	B	C
$\dfrac{1}{6}$	$\dfrac{3}{6}$	$\dfrac{1}{3}$
D	**E**	**F**
$\dfrac{5}{70}$	$\dfrac{1}{2}$	$\dfrac{6}{6}$

4 What is the chance of drawing a blue circle at random from both bags?

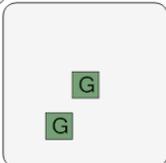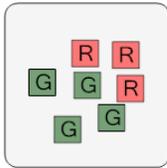| A	B	C
$\dfrac{2}{8}$	$\dfrac{3}{5}$	$\dfrac{1}{27}$
D	**E**	**F**
$\dfrac{3}{6}$	$\dfrac{2}{5}$	$\dfrac{3}{3}$

5 What is the chance of drawing a green square at random from both bags?

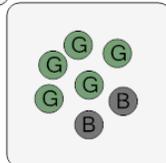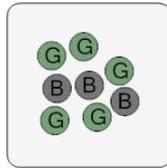| A	B	C
$\dfrac{4}{4}$	$\dfrac{4}{5}$	$\dfrac{1}{6}$
D	**E**	**F**
$\dfrac{2}{2}$	$\dfrac{2}{6}$	$\dfrac{8}{14}$

6 What is the chance of drawing a green circle at random from both bags?

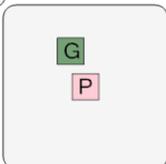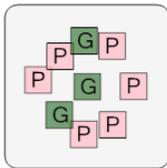| A	B	C
$\dfrac{6}{8}$	$\dfrac{25}{56}$	$\dfrac{1}{4}$
D	**E**	**F**
$\dfrac{2}{6}$	$\dfrac{2}{4}$	$\dfrac{1}{5}$

7 What is the chance of drawing a pink square at random from both bags?

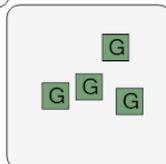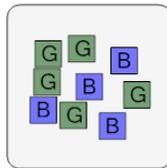| A	B	C
$\dfrac{1}{2}$	$\dfrac{1}{8}$	$\dfrac{6}{18}$
D	**E**	**F**
$\dfrac{3}{10}$	$\dfrac{3}{8}$	$\dfrac{2}{4}$

8 What is the chance of drawing a green square at random from both bags?

A	B	C
$\dfrac{4}{6}$	$\dfrac{20}{36}$	$\dfrac{1}{2}$
D	**E**	**F**
$\dfrac{2}{4}$	$\dfrac{1}{3}$	$\dfrac{2}{2}$

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