# mobius
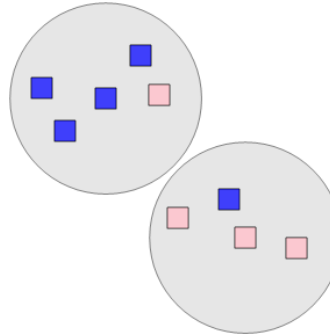
Math worksheet on *'Probability - Shapes, Two Sets of Two Shapes, Two Colors - Pick Two by Color, To Fraction (Level 1)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Intro'*
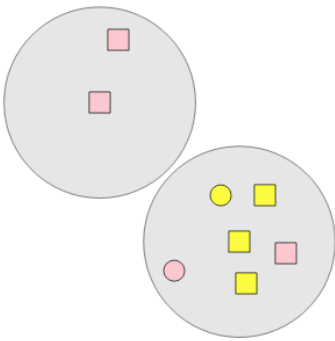
Learn online:

app.mobius.academy/math/units/probability_counting_multiple_event_intro/

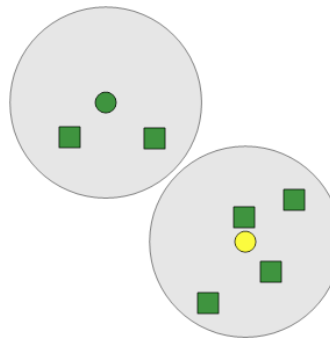**1** What is the chance of drawing a blue shape at random from both bags?

| a | b | c |
|---|---|---|
| $\dfrac{4}{36}$ | $\dfrac{4}{20}$ | $\dfrac{1}{28}$ |
| **d** | **e** | **f** |
| $\dfrac{2}{42}$ | $\dfrac{9}{23}$ | $\dfrac{9}{37}$ |

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

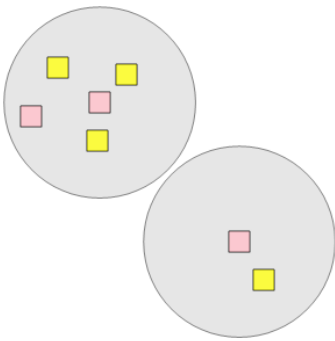| a | b | c |
|---|---|---|
| $\dfrac{8}{26}$ | $\dfrac{3}{3}$ | $\dfrac{4}{12}$ |
| **d** | **e** | **f** |
| $\dfrac{8}{7}$ | $\dfrac{3}{12}$ | $\dfrac{6}{12}$ |

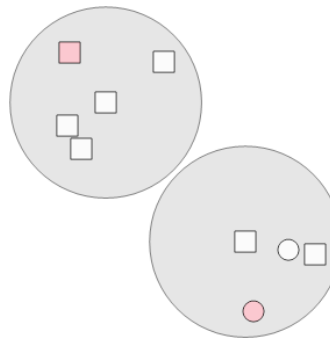**3** What is the chance of drawing a green shape at random from both bags?

| a | b | c |
|---|---|---|
| $\dfrac{3}{28}$ | $\dfrac{15}{10}$ | $\dfrac{13}{16}$ |
| **d** | **e** | **f** |
| $\dfrac{12}{27}$ | $\dfrac{23}{28}$ | $\dfrac{12}{15}$ |

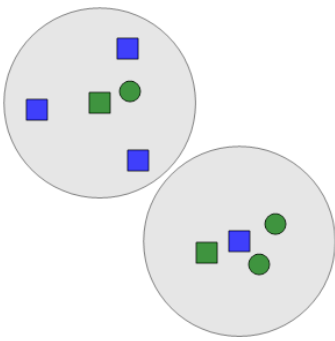**4** What is the chance of drawing a yellow shape at random from both bags?

| a | b | c |
|---|---|---|
| $\dfrac{3}{10}$ | $\dfrac{7}{21}$ | $\dfrac{6}{22}$ |
| **d** | **e** | **f** |
| $\dfrac{7}{4}$ | $\dfrac{4}{18}$ | $\dfrac{2}{8}$ |

**5** What is the chance of drawing a pink shape at random from both bags?

| a | b | c |
|---|---|---|
| $\dfrac{2}{32}$ | $\dfrac{1}{29}$ | $\dfrac{3}{22}$ |
| **d** | **e** | **f** |
| $\dfrac{1}{20}$ | $\dfrac{1}{34}$ | $\dfrac{1}{30}$ |

**6** What is the chance of drawing a blue shape at random from both bags?

| a | b | c |
|---|---|---|
| $\dfrac{4}{33}$ | $\dfrac{6}{32}$ | $\dfrac{3}{5}$ |
| **d** | **e** | **f** |
| $\dfrac{2}{13}$ | $\dfrac{3}{20}$ | $\dfrac{4}{32}$ |

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

| a | b | c |
|---|---|---|
| $\dfrac{4}{9}$ | $\dfrac{7}{5}$ | $\dfrac{1}{16}$ |
| **d** | **e** | **f** |
| $\dfrac{3}{14}$ | $\dfrac{4}{5}$ | $\dfrac{9}{21}$ |