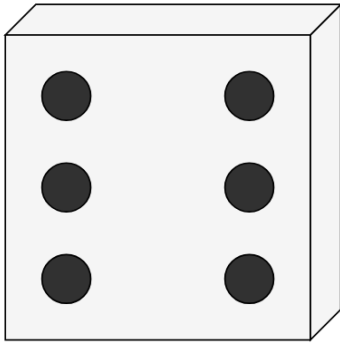




Solve simple compound-event problems

1

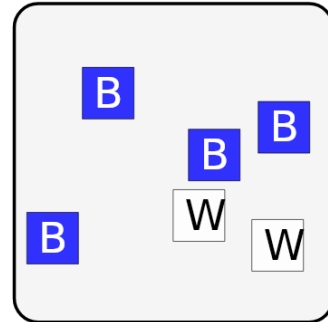
What is the chance of rolling 5 on this dice?



A	$\frac{3}{9}$	B	$\frac{3}{12}$
C	$\frac{2}{6}$	D	$\frac{3}{11}$
E	$\frac{1}{6}$	F	$\frac{3}{5}$

2

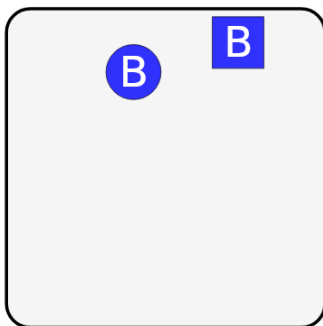
What is the chance of drawing a white shape at random from this bag?



A	$\frac{1}{4}$	B	$\frac{1}{6}$
C	$\frac{3}{6}$	D	$\frac{3}{4}$
E	$\frac{2}{6}$	F	$\frac{2}{4}$

3

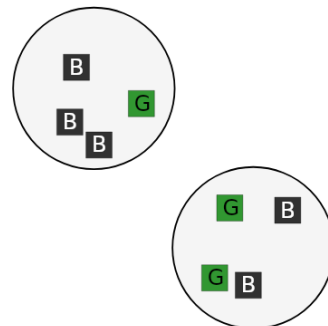
What is the chance of drawing a blue square at random from this bag?



A	$\frac{3}{5}$	B	$\frac{3}{10}$
C	$\frac{1}{2}$	D	$\frac{2}{6}$
E	$\frac{1}{10}$	F	$\frac{1}{6}$

4

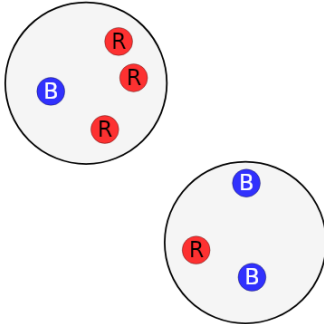
What is the equation for the chance of drawing a black shape at random from both bags?



A	$\frac{3}{4} \cdot \frac{2}{4}$	B	$\frac{5}{10} \cdot \frac{2}{2}$
C	$\frac{3}{8} \cdot \frac{5}{5}$	D	$\frac{1}{8} \cdot \frac{1}{5}$
E	$\frac{1}{2} \cdot \frac{3}{8}$	F	$\frac{1}{3} \cdot \frac{2}{8}$

**Solve simple compound-event problems****5**

What is the equation for the chance of drawing a red circle at random from both bags?



A $\frac{6}{10} \cdot \frac{3}{10}$

B $\frac{1}{4} \cdot \frac{2}{2}$

C $\frac{2}{2} \cdot \frac{1}{5}$

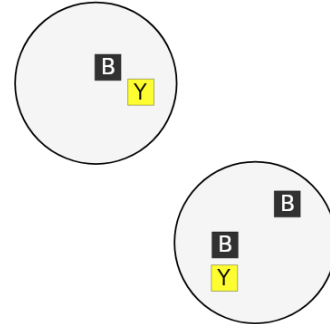
D $\frac{2}{5} \cdot \frac{1}{4}$

E $\frac{3}{4} \cdot \frac{1}{3}$

F $\frac{4}{10} \cdot \frac{2}{4}$

6

What is the equation for the chance of drawing a black shape at random from both bags?



A $\frac{3}{3} \cdot \frac{5}{5}$

B $\frac{2}{5} \cdot \frac{1}{3}$

C $\frac{3}{5} \cdot \frac{3}{10}$

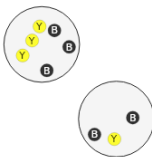
D $\frac{1}{2} \cdot \frac{2}{3}$

E $\frac{2}{6} \cdot \frac{2}{8}$

F $\frac{2}{2} \cdot \frac{2}{8}$

7

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



A 50% x 67%

B 67% x 33%

C 83% x 25%

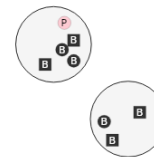
D 67% x 40%

E 100% x 10%

F 25% x 100%

8

What is the equation for the chance of drawing a black shape at random from both bags?



A 100% x 20%

B 25% x 13%

C 75% x 50%

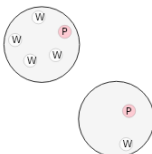
D 50% x 33%

E 80% x 100%

F 90% x 50%

9

What is the equation for the chance of drawing a pink shape at random from both bags?



A 0.5 x 0.38

B 0.4 x 0.67

C 0.13 x 0.13

D 0.2 x 0.5

E 1 x 0.2

F 1 x 1

10

What is the equation for the chance of flipping tails on both these coins?



A $1 - 0.5 \cdot 0.5$

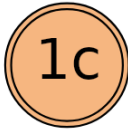
B $1 - 0.5$

C 0.5

D $0.5 \cdot 0.5$

**Solve simple compound-event problems****11**

What is the equation for the chance of flipping heads on all these coins?



A

$$1 - \frac{1}{2} \cdot \frac{1}{2}$$

B

$$\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$$

C

$$1 - \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$$

D

$$\frac{1}{2} \cdot \frac{1}{2}$$

12

What is the equation for the chance of flipping all heads or all tails on these coins?



A

$$\frac{1}{2} \cdot \frac{1}{2}$$

B

$$1 - \frac{1}{2} \cdot \frac{1}{2}$$

C

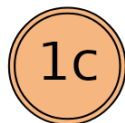
$$1 - \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$$

D

$$\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$$

13

What is the equation for the chance of flipping a mixed set (not all heads or all tails) on these coins?



A

$$\frac{1}{2} \cdot \frac{1}{2}$$

B

$$1 - \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$$

C

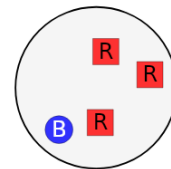
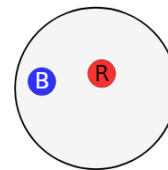
$$1 - \frac{1}{2} \cdot \frac{1}{2}$$

D

$$\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$$

14

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



A

$$\frac{1}{3}$$

B

$$\frac{3}{5}$$

C

$$\frac{1}{8}$$

D

$$\frac{2}{8}$$

E

$$\frac{3}{6}$$

F

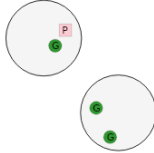
$$\frac{1}{6}$$



Solve simple compound-event problems

15

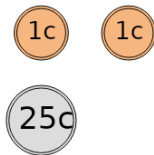
What is the chance of drawing a circle at random from both bags?



A 0.625	B 0.333	C 1
D 0.8	E 0.4	F 0.5

17

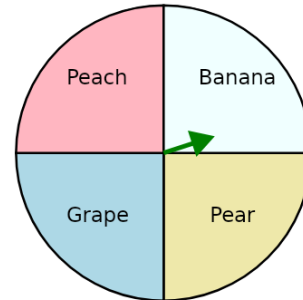
What is the chance of flipping a mixed set (not all heads or all tails) on these coins?



A 70%	B 75%	C 77.8%
D 50%	E 87.5%	F 37.5%

16

Calculate the probability of spinning Peach twice in a row. Show as a fraction



P(Peach twice)

A $\frac{1}{16}$	B $\frac{1}{18}$
C $\frac{1}{15}$	D $\frac{1}{17}$
E $\frac{2}{18}$	