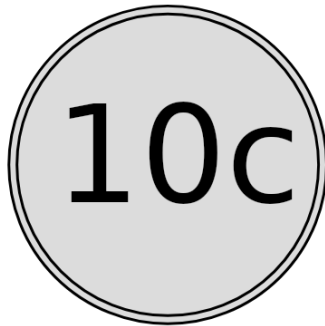




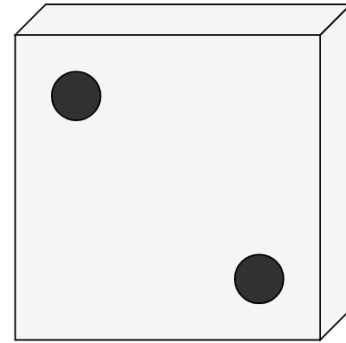
Calculate theoretical probability

- 1** What is the chance of flipping heads on this coin?



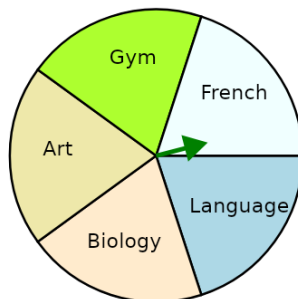
A	$\frac{1}{2}$	B	$\frac{2}{5}$
C	$\frac{3}{3}$	D	$\frac{3}{7}$
E	$\frac{1}{6}$	F	$\frac{2}{3}$

- 2** What is the chance of rolling 4 on this dice?



A	$\frac{1}{14}$	B	$\frac{2}{9}$
C	$\frac{3}{4}$	D	$\frac{1}{6}$
E	$\frac{1}{4}$	F	$\frac{1}{15}$

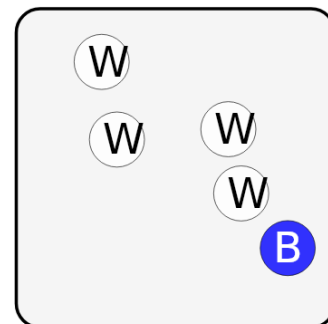
- 3** Calculate the probability of spinning Gym. Show as a fraction



P(Gym)

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

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



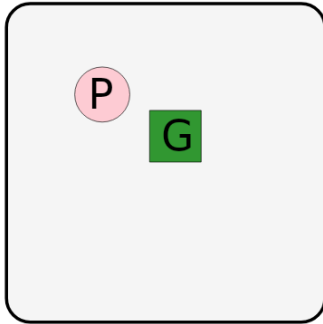
A	$\frac{2}{5}$	B	$\frac{2}{3}$
C	$\frac{2}{4}$	D	$\frac{8}{8}$
E	$\frac{1}{3}$	F	$\frac{4}{5}$



Calculate theoretical probability

5

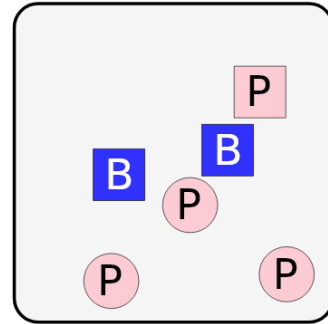
What is the chance of drawing a square at random from this bag?



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

6

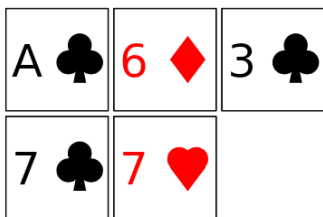
What is the chance of drawing a blue square at random from this bag?



A	$\frac{5}{8}$	B	$\frac{2}{6}$
C	$\frac{4}{6}$	D	$\frac{4}{8}$
E	$\frac{5}{5}$	F	$\frac{3}{3}$

7

Calculate the probability of drawing any Diamond. Show as a fraction

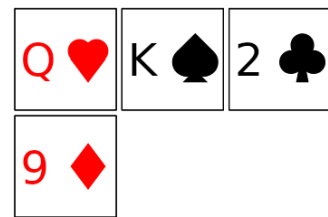


P(Diamond)

A	$\frac{1}{3}$	B	$\frac{1}{6}$
C	$\frac{1}{5}$	D	$\frac{4}{5}$

8

Calculate the probability of drawing a King of Spades. Show as a fraction



P(K Spades)

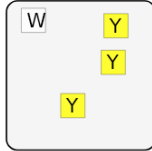
A	$\frac{1}{4}$	B	$\frac{2}{5}$
C	$\frac{3}{2}$	D	$\frac{5}{3}$
E	$\frac{4}{4}$		



Calculate theoretical probability

9

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



A 0.6

B 0.2

C 0.167

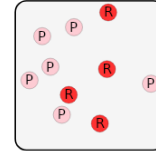
D 0.1

E 0.25

F 0.5

10

What is the chance of drawing a pink circle at random from this bag?



A 60%

B 87.5%

C 50%

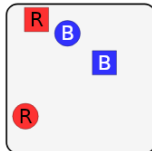
D 100%

E 40%

F 16.7%

11

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



A 37.5%

B 50%

C 33.3%

D 83.3%

E 100%

F 60%

12

A fair coin is flipped and a fair six-sided die is rolled. There are 12 equally likely outcomes in the sample space. A favourable outcome is one where the die shows an even number.

A

$$\frac{5}{12}$$

B

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

C

$$\frac{7}{12}$$

D

$$\frac{6}{13}$$

13

A fair six-sided die is rolled and a spinner with red, green, and blue sections is spun. A favourable outcome is one where the die shows a 5. There are 3 favourable outcomes.

A

$$\frac{1}{5}$$

B

$$\frac{5}{6}$$

C

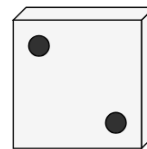
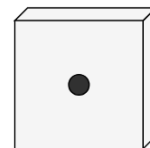
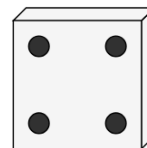
$$\frac{1}{6}$$

D

$$\frac{2}{9}$$

14

What is the chance of rolling the same number on all these dice?



A

$$\frac{2}{41}$$

B

$$\frac{1}{75}$$

C

$$\frac{1}{36}$$

D

$$\frac{2}{68}$$

E

$$\frac{2}{71}$$

F

$$\frac{3}{67}$$



Calculate theoretical probability

15

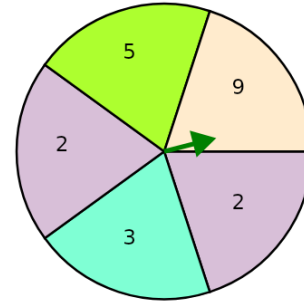
What is the chance of flipping a mixed set (not all heads or all tails) on these coins?



A	$\frac{1}{9}$	B	$\frac{4}{4}$
C	$\frac{5}{8}$	D	$\frac{4}{4}$
E	$\frac{3}{4}$	F	$\frac{5}{6}$

16

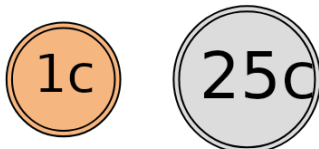
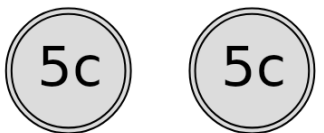
Calculate the probability of spinning greater than 8. Show as a fraction

 $P(> 8)$

A	$\frac{1}{5}$	B	$\frac{2}{12}$
C	$\frac{3}{7}$	D	$\frac{2}{6}$
E	$\frac{1}{3}$		

17

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



A	$\frac{3}{17}$	B	$\frac{2}{30}$
C	$\frac{1}{12}$	D	$\frac{1}{20}$
E	$\frac{3}{16}$	F	$\frac{1}{16}$