



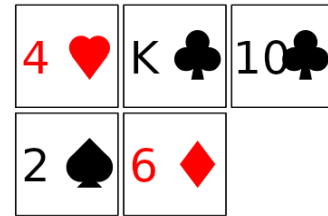
Calculate theoretical probability

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



A	$\frac{2}{5}$	B	$\frac{3}{4}$
C	$\frac{1}{2}$	D	$\frac{2}{6}$
E	$\frac{3}{7}$	F	$\frac{2}{7}$

- 2** Calculate the probability of drawing any Heart. Show as a fraction



P(Heart)

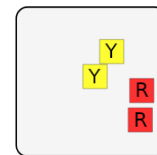
A	$\frac{1}{4}$	B	$\frac{2}{3}$
C	$\frac{1}{5}$	D	$\frac{1}{7}$

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



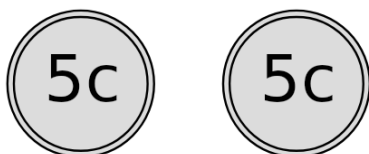
A 0.6	B 0.333	C 0.7
D 0.875	E 0.4	F 0.8

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



A 62.5%	B 33.3%	C 20%
D 40%	E 50%	F 10%

- 5** What is the chance of flipping a mixed set (not both heads or both tails) on these coins?



A 16.7%	B 60%	C 25%
D 66.7%	E 50%	F 16.7%

- 6** Three fair coins are flipped. A favourable outcome is one where there are at least two tails. There are 4 favourable outcomes.

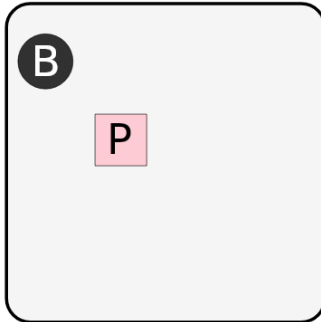
A	$\frac{1}{2}$	B	$\frac{5}{8}$
C	$\frac{4}{9}$	D	$\frac{3}{8}$



Calculate theoretical probability

7

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



A	$\frac{1}{4}$	B	$\frac{1}{2}$
C	$\frac{2}{6}$	D	$\frac{3}{3}$
E	$\frac{3}{5}$	F	$\frac{1}{10}$

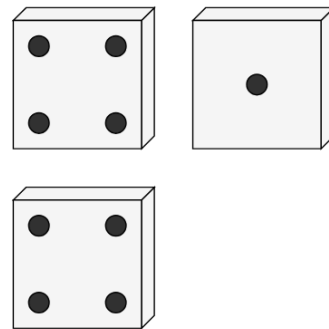
8

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 a 1.

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

9

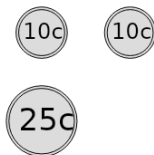
What is the chance of rolling the same number on all these dice?



A	$\frac{2}{52}$	B	$\frac{3}{36}$
C	$\frac{3}{30}$	D	$\frac{2}{74}$
E	$\frac{2}{11}$	F	$\frac{1}{36}$

10

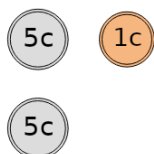
What is the chance of flipping a mixed set (not all heads or all tails) on these coins?



A 22.2%	B 25%	C 200%
D 50%	E 75%	F 87.5%

11

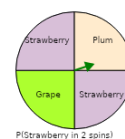
What is the chance of flipping a mixed set (not all heads or all tails) on these coins?



A 0.333	B 0.5	C 0.1
D 0.75	E 0.1	F 0.5

12

Calculate the probability of spinning Strawberry at least once, given two spins. Show as a decimal



P(Strawberry in 2 spins)

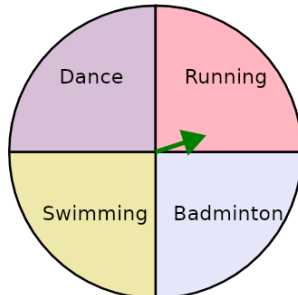
A 1	B 0.69	C 0.75
D 0.6	E 0.44	F 0.81



Calculate theoretical probability

13

Calculate the probability of spinning a racquet sport.
Show as a fraction

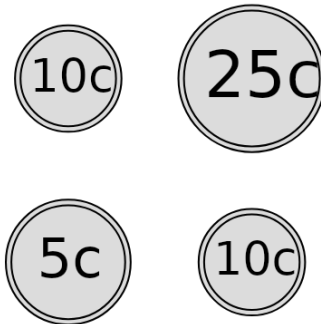


P(racquet sport)

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

14

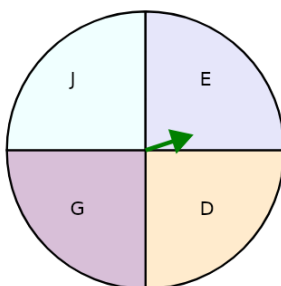
What is the chance of flipping heads on all these coins?



A	$\frac{3}{8}$	B	$\frac{1}{16}$
C	$\frac{3}{4}$	D	$\frac{2}{8}$
E	$\frac{3}{26}$	F	$\frac{2}{8}$

15

Calculate the probability of spinning E at least once, given two spins. Show as a fraction

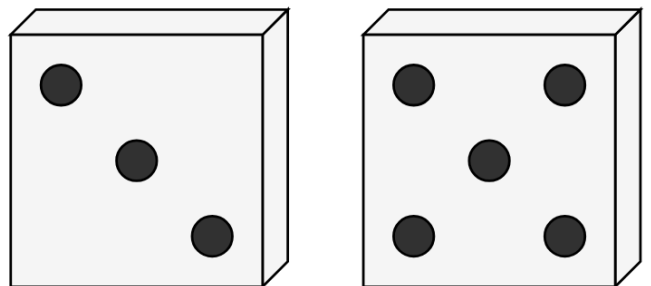


P(E in 2 spins)

A	$\frac{10}{15}$	B	$\frac{4}{15}$
C	$\frac{7}{16}$	D	$\frac{3}{15}$
E	$\frac{7}{14}$		

16

What is the chance of rolling a mixed set (not both the same number) on these dice?



A	$\frac{6}{8}$	B	$\frac{1}{11}$
C	$\frac{1}{15}$	D	$\frac{4}{3}$
E	$\frac{5}{6}$	F	$\frac{1}{6}$