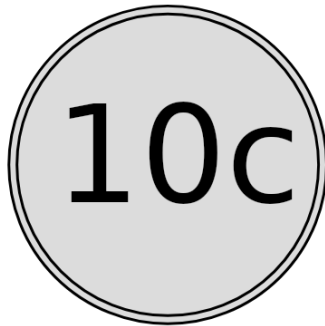




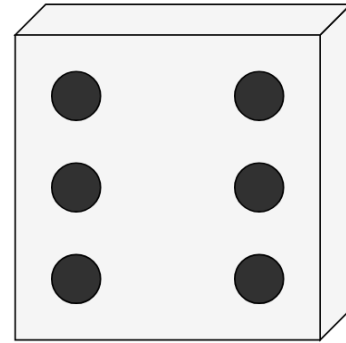
Determine theoretical probability

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



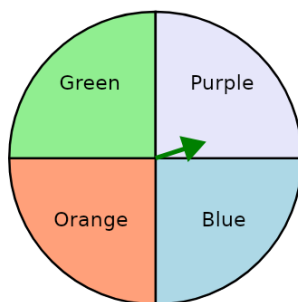
A	$\frac{1}{2}$	B	$\frac{1}{6}$
C	$\frac{2}{5}$	D	$\frac{2}{3}$
E	$\frac{3}{3}$	F	$\frac{3}{7}$

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



A	$\frac{1}{12}$	B	$\frac{2}{3}$
C	$\frac{2}{10}$	D	$\frac{1}{6}$
E	$\frac{2}{11}$	F	$\frac{3}{5}$

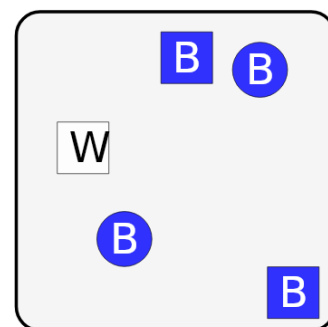
- 3** Calculate the probability of spinning Purple. Show as a fraction



P(Purple)

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

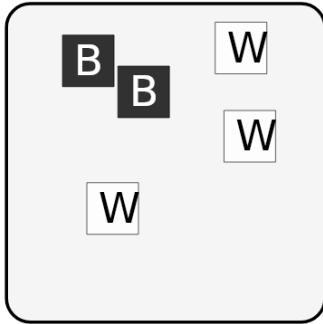
- 4** What is the chance of drawing a circle at random from this bag?



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

**Determine theoretical probability****5**

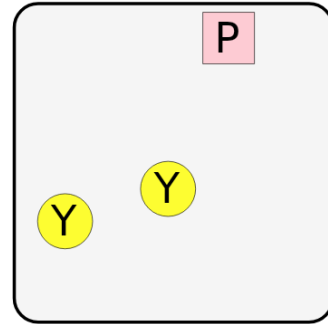
What is the chance of drawing a white shape at random from this bag?



A	$\frac{4}{6}$	B	$\frac{2}{3}$
C	$\frac{5}{10}$	D	$\frac{3}{5}$
E	$\frac{6}{8}$	F	$\frac{4}{4}$

6

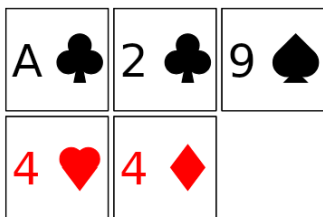
What is the chance of drawing a yellow circle at random from this bag?



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

7

Calculate the probability of drawing any 9. Show as a fraction

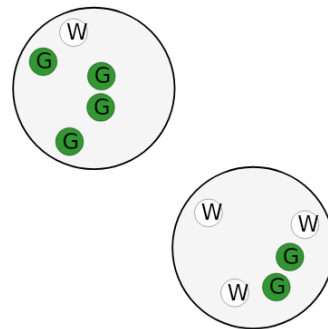


P(9)

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

8

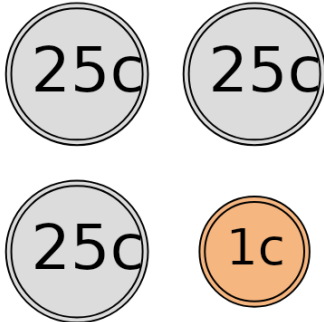
What is the chance of drawing a green shape at random from both bags?



A	$\frac{1}{3}$	B	$\frac{3}{6}$
C	$\frac{6}{10}$	D	$\frac{6}{8}$
E	$\frac{8}{25}$	F	$\frac{4}{10}$

**Determine theoretical probability****9**

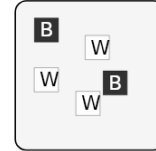
What is the chance of flipping heads on all these coins?



A	$\frac{2}{16}$	B	$\frac{1}{18}$
C	$\frac{2}{7}$	D	$\frac{2}{13}$
E	$\frac{2}{11}$	F	$\frac{1}{16}$

10

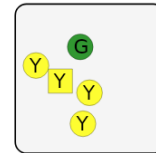
What is the chance of drawing a black square at random from this bag?



A 0.2	B 0.667	C 0.1
D 0.25	E 0.5	F 0.4

11

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



A 0.167	B 0.75	C 0.333
D 0.4	E 0.5	F 0.2

12

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

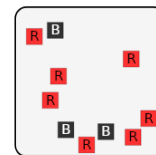


P(K Spades)

A 0.26	B 0.25	C 0
D 0.75	E 0.5	F 1

13

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



A 70%	B 90%	C 66.7%
D 60%	E 20%	F 62.5%

14

A fair coin is flipped and a fair six-sided die is rolled. A favourable outcome is one where the die shows a 3. There are 2 favourable outcomes.

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

15

A spinner with three equal-sized sections coloured red, green, and blue is spun twice. There are 9 equally likely outcomes in the sample space. A favourable outcome is one where there is no green.

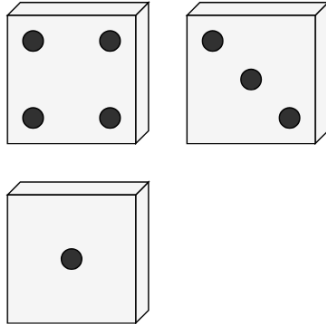
A	$\frac{4}{5}$	B	$\frac{5}{9}$
C	$\frac{9}{4}$	D	$\frac{4}{9}$



Determine theoretical probability

16

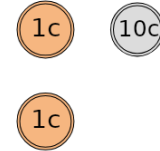
What is the chance of rolling the same number on all these dice?



A	$\frac{3}{26}$	B	$\frac{1}{36}$
C	$\frac{2}{30}$	D	$\frac{2}{5}$
E	$\frac{1}{73}$	F	$\frac{2}{52}$

17

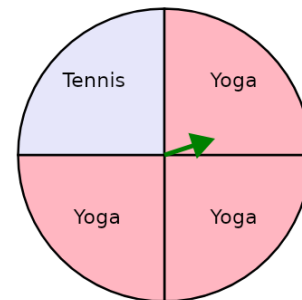
What is the chance of flipping a mixed set (not all heads or all tails) on these coins?



A 50%	B 87.5%	C 75%
D 50%	E 85.7%	F 66.7%

18

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



P(ball sport)

A	$\frac{3}{11}$	B	$\frac{1}{4}$
C	$\frac{1}{7}$	D	$\frac{2}{10}$
E	$\frac{2}{4}$		