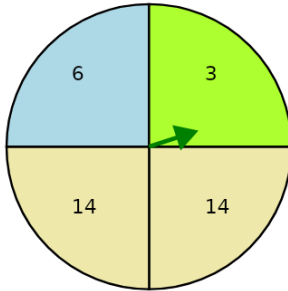


Probability

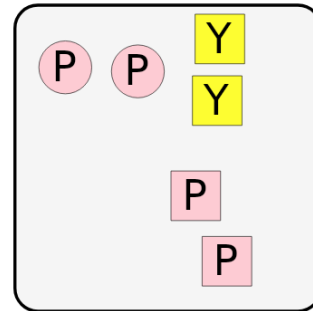
- 1 Calculate the probability of spinning an odd number. Show as a fraction



P(odd)

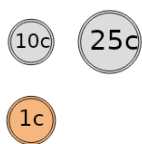
A	$\frac{3}{5}$	B	$\frac{1}{4}$
C	$\frac{1}{8}$	D	$\frac{3}{4}$
E	$\frac{3}{3}$		

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



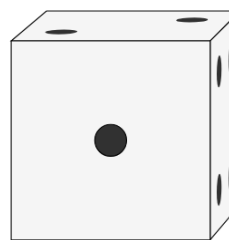
A	$\frac{3}{6}$	B	$\frac{2}{6}$
C	$\frac{3}{5}$	D	$\frac{2}{10}$
E	$\frac{5}{6}$	F	$\frac{5}{10}$

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



A	125%	B	55.6%	C	20%
D	27.3%	E	75%	F	100%

- 4 How likely is it that you would roll a number greater than 0?



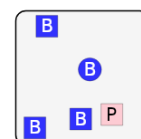
A	unlikely
B	certain
C	impossible
D	likely

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

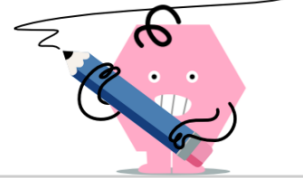


A	0.5	B	0.25	C	0.125
D	0.4	E	1	F	0.1

- 6 What is the chance of drawing a blue shape at random from this bag?

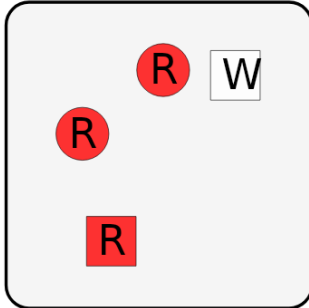


A	80%	B	100%	C	33.3%
D	40%	E	50%		



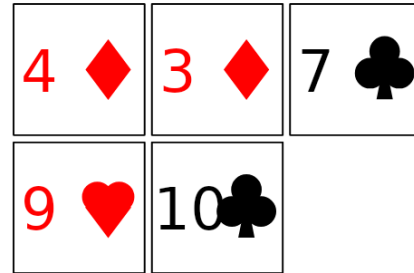
Probability

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



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

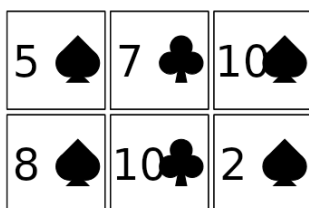
- 8 Calculate the probability of drawing any 10. Show as a percent



P(10)

A	40%	B	20%	C	33%
D	100%	E	18%	F	13%

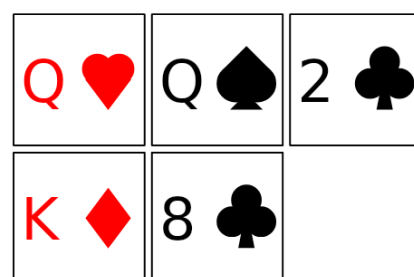
- 9 Calculate the probability of drawing any Spade. Show as a fraction



P(Spade)

A	$\frac{8}{4}$	B	$\frac{5}{4}$
C	$\frac{7}{4}$	D	$\frac{4}{6}$
E	$\frac{8}{5}$		

- 10 Calculate the probability of drawing any Heart. Show as a decimal



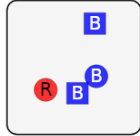
P(Heart)

A	0.16	B	0.19	C	0.2
D	0.6	E	0.21	F	0



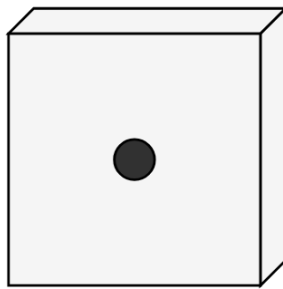
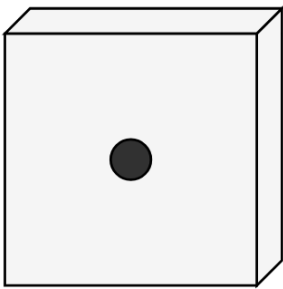
Probability

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



A	0.4	B	0.667	C	0.5
D	0.125	E	0.75	F	0.7

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



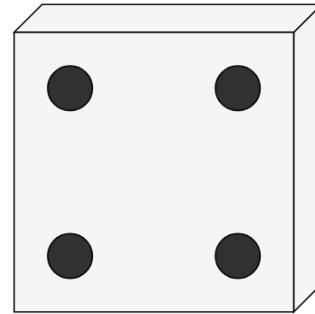
A	$\frac{1}{6}$	B	$\frac{1}{7}$
C	$\frac{2}{9}$	D	$\frac{3}{12}$
E	$\frac{3}{9}$	F	$\frac{3}{5}$

15 What is the chance of NOT flipping both tails on these coins?



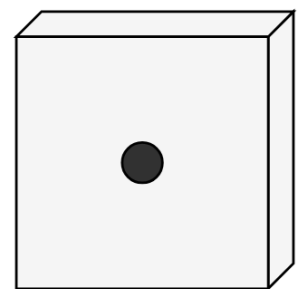
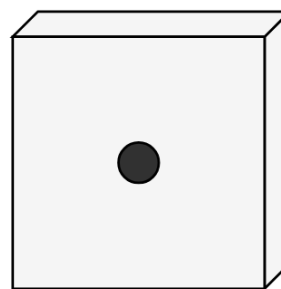
A	77.8%	B	50%	C	75%
D	77.8%	E	25%	F	77.8%

12 What is the chance of NOT rolling a 6 on this dice?



A	$\frac{8}{11}$	B	$\frac{6}{11}$
C	$\frac{5}{6}$	D	$\frac{4}{9}$
E	$\frac{4}{10}$	F	$\frac{6}{14}$

14 What is the chance of rolling 6's on both these dice?

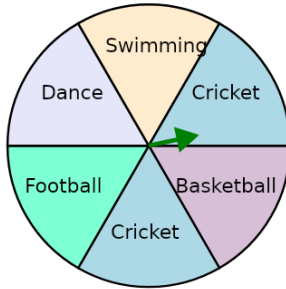


A	$\frac{3}{65}$	B	$\frac{2}{41}$
C	$\frac{3}{6}$	D	$\frac{1}{71}$
E	$\frac{2}{49}$	F	$\frac{1}{36}$



Probability

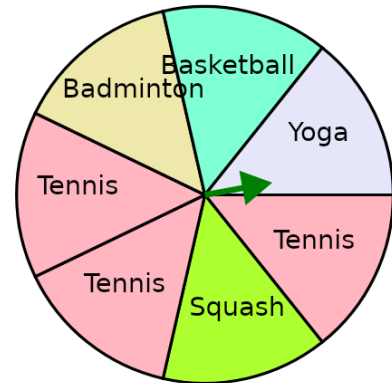
16 Calculate the probability of spinning a ball sport. Show as a fraction



P(ball sport)

A	$\frac{5}{5}$	B	$\frac{2}{4}$
C	$\frac{4}{6}$	D	$\frac{4}{14}$
E	$\frac{7}{15}$		

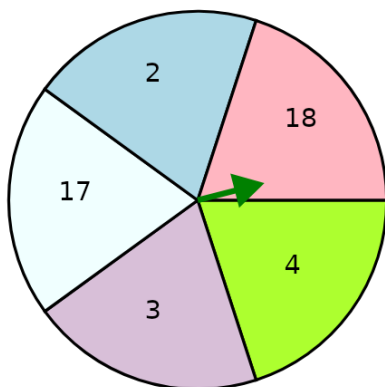
17 Calculate the probability of spinning a racquet sport. Show as a decimal



P(racquet sport)

A	1.25	B	0.63	C	0.43
D	0.57	E	0.71	F	0.6

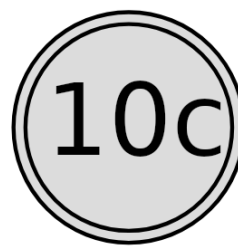
18 Calculate the probability of spinning greater than 10. Show as a percent



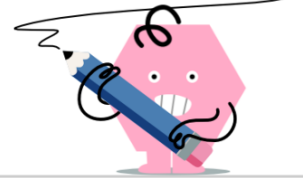
P(> 10)

A	60%	B	36%	C	40%
D	100%	E	38%	F	67%

19 What is the chance of NOT flipping both tails on these coins?

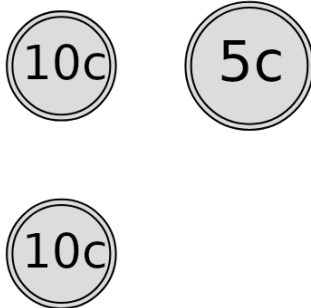


A	$\frac{2}{7}$	B	$\frac{3}{4}$
C	$\frac{1}{7}$	D	$\frac{3}{11}$
E	$\frac{1}{10}$	F	$\frac{7}{10}$



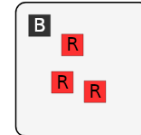
Probability

20 What is the chance of NOT flipping all heads on these coins?



A	$\frac{11}{12}$	B	$\frac{13}{3}$
C	$\frac{8}{19}$	D	$\frac{7}{8}$
E	$\frac{12}{6}$	F	$\frac{10}{13}$

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



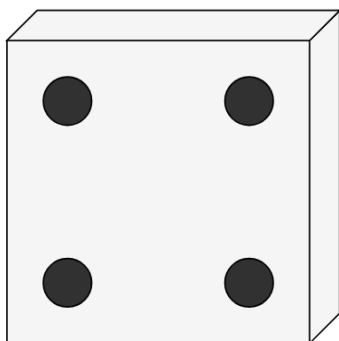
A	0.5	B	1	C	0.7
D	0.75	E	0.667	F	0.25

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



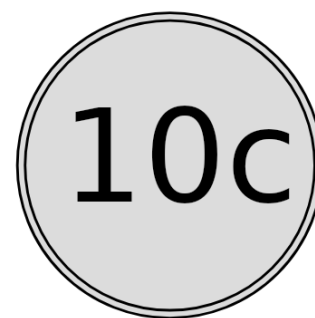
A	25%	B	50%	C	100%
D	40%	E	37.5%	F	66.7%

23 What is the chance of rolling 2 on this dice?

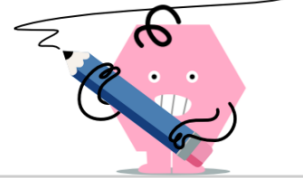


A	$\frac{2}{13}$	B	$\frac{1}{12}$
C	$\frac{1}{6}$	D	$\frac{2}{6}$
E	$\frac{2}{7}$	F	$\frac{1}{5}$

24 What is the chance of flipping heads on this coin?

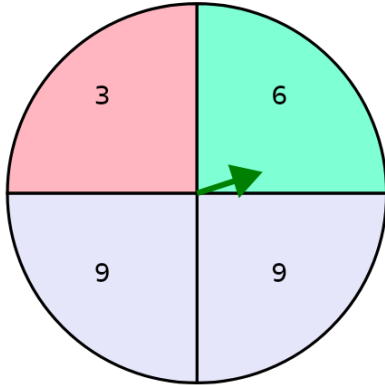


A	$\frac{1}{6}$	B	$\frac{2}{6}$
C	$\frac{2}{7}$	D	$\frac{1}{2}$
E	$\frac{3}{7}$	F	$\frac{1}{5}$



Probability

25 Calculate the probability of spinning 9. Show as a percent



P(9)

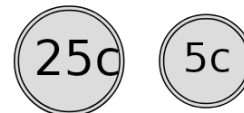
A	50%	B	150%	C	200%
D	25%	E	52%	F	40%

26 List all the possible outcomes.



- A heads, tails, rain
- B heads, tails, rain, dogs
- C heads, tails
- D heads, tails, horses

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



A	0.286	B	0.429	C	0.5
D	0.667	E	0.2	F	0.167

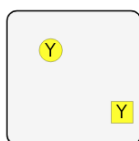
28 List all the possible outcomes in the sample space.

A spinner with three equal-sized sections coloured red, green, and blue is spun twice.

A RR RG RB GR GG
GB BR BG BB

B RR GR BR

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



A	66.7%	B	10%	C	50%
D	60%	E	16.7%	F	33.3%

30 What is the probability of getting a favourable outcome?

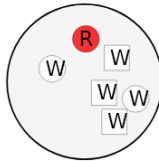
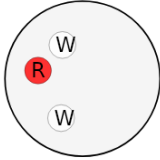
Three fair coins are flipped. There are 8 equally likely outcomes in the sample space. A favourable outcome is one where there is exactly one tail.

A	$\frac{5}{8}$	B	$\frac{3}{8}$
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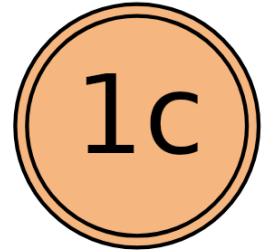
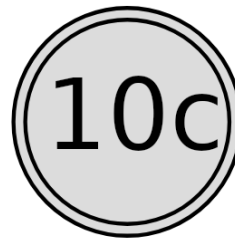
Probability

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



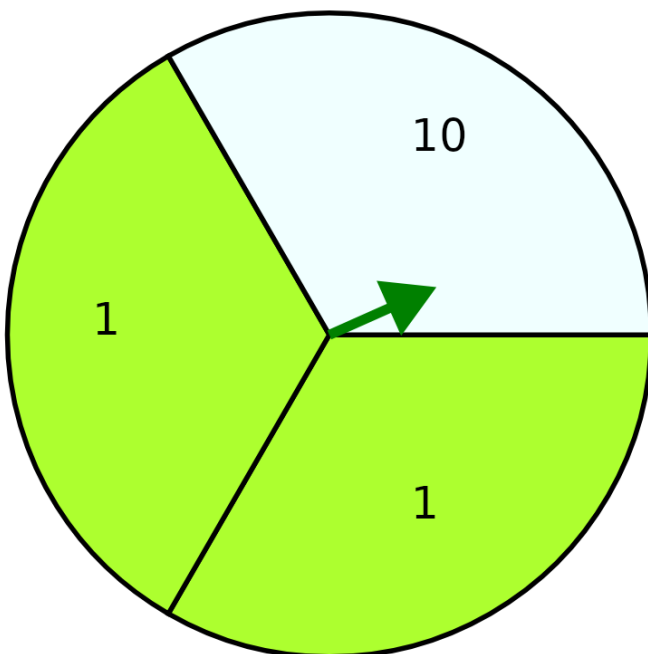
A	$\frac{3}{4}$	B	$\frac{3}{6}$
C	$\frac{10}{18}$	D	$\frac{6}{10}$
E	$\frac{2}{4}$	F	$\frac{1}{2}$

32 What is the chance of flipping at least one heads on these coins?



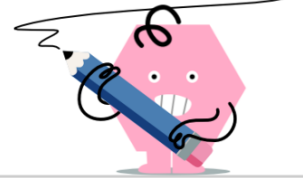
A	$\frac{2}{3}$	B	$\frac{1}{5}$
C	$\frac{5}{6}$	D	$\frac{7}{9}$
E	$\frac{2}{11}$	F	$\frac{3}{4}$

33 Calculate the probability of spinning 10 twice in a row. Show as a fraction



P(10 twice)

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



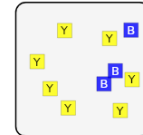
Probability

34 What is the probability of getting a favourable outcome?

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 an even number. There are 9 favourable outcomes.

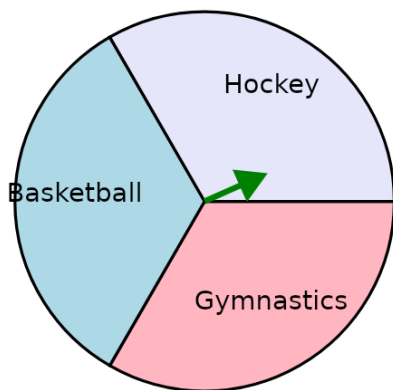
A	$\frac{1}{2}$	B	$\frac{5}{9}$
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35 What is the chance of drawing a yellow square at random from this bag?



A	0.375	B	0.75	C	0.1
D	0.6	E	0.5	F	0.7

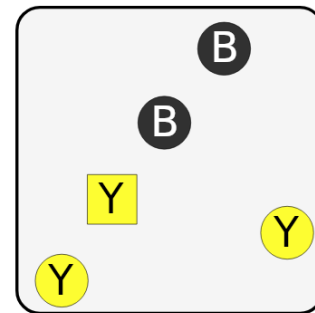
36 Calculate the probability of spinning Basketball. Show as a decimal



P(Basketball)

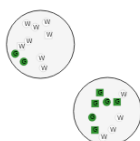
A	0.67	B	0.33	C	0.17
D	0.29	E	0.27	F	0.32

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



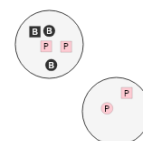
A	$\frac{2}{2}$	B	$\frac{3}{6}$
C	$\frac{3}{5}$	D	$\frac{1}{3}$
E	$\frac{4}{8}$	F	$\frac{1}{5}$

38 What is the chance of drawing a white square at random from both bags?



A	10%	B	33.3%	C	20%
D	0%	E	12.5%		

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



A	33.3%	B	100%	C	50%
D	75%	E	66.7%	F	20%