

Probability

1. There are 4 yellow balls and 9 red balls in a bag.
 - a) What is the probability of picking a yellow ball?
 - b) What is the probability of picking a red ball?

2. There are 15 pens and 4 pencils in a pencil case.
 - a) What is the probability of picking a pen out?
 - b) What is the probability of picking a pencil out?

3. There are 8 green marbles and 4 yellow marbles in a bag.
 - a) What is the probability of picking a green marble?
 - b) What is the probability of picking a yellow marble?

1. There are 8 triangles, 5 circles and 11 squares in a bag.
 - a) What is the probability of picking a circle out of the bag?
 - b) What is the probability of picking a square out of the bag?
 - c) What is the probability of not picking a triangle out of the bag?

2. Penny has a regular pack of playing cards.
 - a) What is the probability of picking a heart?
 - b) What is the probability of picking a Queen?
 - c) What is the probability of picking an even number?

3. Below are 15 cards.

F	U	N	C	T	I	O	N	A	L	M	A	T	H	S
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- a) What is the probability of picking a vowel?
- b) What is the probability of picking a consonant?
- c) What is the probability of picking an A?
- d) What is the probability of picking an R?

Probability

1. Danny has a biased spinner.

The table shows the probability of landing on different colours?

Colour	Red	Blue	Green	Yellow
Probability	0.36		0.14	0.27

What is the probability on landing on blue?

2. There are 3 types of chocolates; Dark, milk and white chocolate.

The table below shows the probability of picking a chocolate.

The probability of picking a dark chocolate is the same as picking a white chocolate.

Complete the table.

Chocolate	Dark	Milk	White
Probability		0.42	

3. The probability of picking a 1 is four times as likely as picking a 4.

Complete the table.

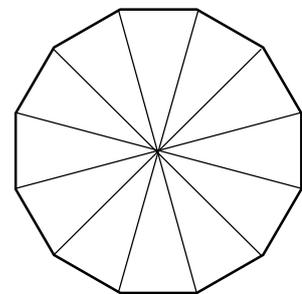
Number	1	2	3	4	5
Probability		0.2	0.17		0.08

1. Here is a spinner with numbers 1, 2 and 3 on.

The probability of landing on a 1 is $\frac{1}{3}$.

It is 3 times more likely to land on a 2 than a 3.

Fill in the spinner.



2. The table shows the amount of goals scored in a league.

Goals	Frequency
0	16
1	29
2	32
3	20
4	13

- a) What is the probability the team scored 3 goals?
b) What is the probability the team scored less than 2 goals?
c) What is the probability the team scored 3 or more goals?