

- Izabella has a box containing 3 blue counters and 1 red counter.  
 She also has a bag containing 3 blue and 7 green counters.  
 Izabella takes at random one counter from the box.  
 Izabella takes at random one counter from the bag.

		counters in bag										
		B	B	B	G	G	G	G	G	G	G	
counters in box	B											
	B											
	B											
	R											

Work out the probability of Izabella taking two blue counters.

1. ....

- Seamus will throw 2 fair coins.

		coin 2	
		H	T
coin 1	H		
	T		

Work out the probability of Seamus getting two tails.

2. ....

- Leonie will throw a fair coin and a fair dice.

		dice score					
		1	2	3	4	5	6
coin	H						
	T						

Work out the probability of Leonie throwing a head or a 6 {this includes a head and a 6}.

3. ....

4. Pedro will throw 2 fair dice.

		dice 2					
		1	2	3	4	5	6
dice 1	1						
	2						
	3						
	4						
	5						
	6						

Work out the probability of the **total** of the scores on the dice being 7.

4. ....

5. Keziah is writing a screen play.

She wants to choose the names for the 2 main characters.

The table shows the 5 names she wants to choose between.

		female name		
		Keziah	Lilian	Maia
male name	Tobias			
	Uzair			

Keziah will choose one female name at random and one male name at random.

Write down the probability that both characters' names will be 6 letters long.

5. ....

Answers Q1:  $\frac{9}{40}$ , Q2:  $\frac{1}{4}$  or 25% , Q3:  $\frac{7}{12}$  , Q4:  $\frac{6}{36}$  or  $\frac{1}{6}$ , Q5:  $\frac{4}{6}$  or  $\frac{2}{3}$