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1.1-	1- Research what the definition of probability is.								
1.2-	Describe	how is pro	bability	measured	as a num	erical med	asure?		
1.3-	Researc	h what the	e definiti	on of the	following	terms;			
a) In	idependent	Events in	Probabili	ity					
b) Co	ombined Ev	ents in Pro	bability						
	the prob	ability of t n Independ	the sum o	of the two nt or comb	dice equ	alling 7. nt?		ded togeth	
+	1	2	3	4	5	6	7	8	
1	1+1=2	1+2=3							
2									
3									

c) The sample space diagram shows there are ____ ways of making a 7, out of a total of ____ possible outcomes.

8

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d) Therefore, the probability of rolling two dice and the sum being 7 is $\overline{}$, simplified to $\overline{}$.



Probability Experiment

- 1) Flip a coin 10 times.
- 2) Record the result as a tally mark whether the coin landed on 'heads' or 'tails'
- 3) Repeat until you have ten results.

	Tally	Total
Heads		
Tails		

According to your results, what is the probability of getting a heads?

Repeat again for 20 coin flips

	Tally	Total
Heads		
Tails		

According to your results, what is the probability of getting a heads?

Repeat again for 30 coin flips

	Tally	Total
Heads		
Tails		

According to your results, what is the probability of getting a heads?

Repeat again for 40 coin flips

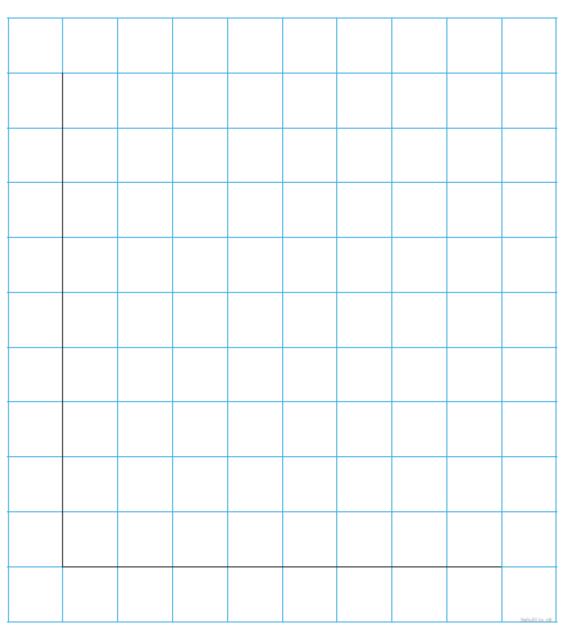
	Tally	Total
Heads		
Tails		

According to your results, what is the probability of getting a heads?



In conclusion, what were your findings?

Record your results in a graph below



Record your results in a written conclusion, what would you say about the probability experiment you completed? What were your findings?			



- 2.1- Describe an instance when you might come across probability
- 2.2- You have bought a multipack of crisps which contains:
 - \cdot 5 x cheese and onion
- · 3 x ready salted
- 2 x salt and vinegar.
- a) Populate the grid below to show what the probability is of getting each flavour when picking a bag at random

Flavour	Probability
Cheese and onion	
Ready salted	
Salt and vinegar	

b) What is the probability of getting a bag of cheese and onion and then a bag of ready salted? Express your answer as a number and to 2 decimal places

c) What is the probability of getting 2 bags of salt and vinegar in a row? Express your answer as a fraction