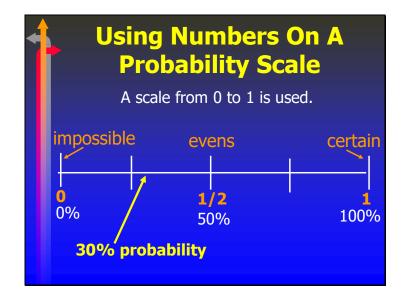
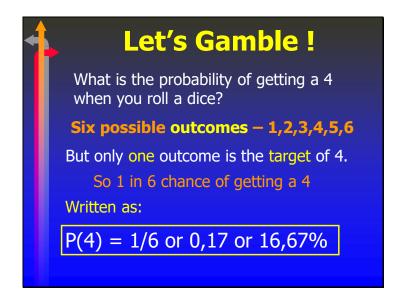


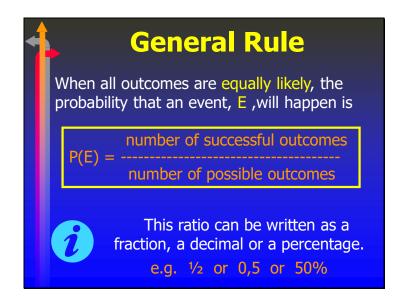
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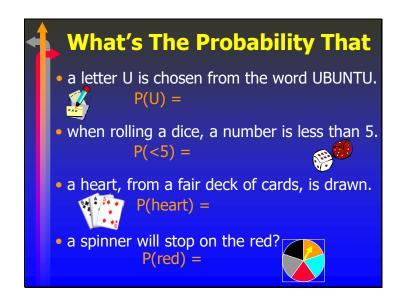


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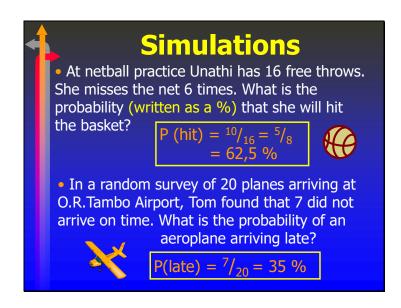


Relative Frequency

Some probabilities cannot be calculated by just looking at the situation. We need to collect data.

An estimate of the probability of an event happening using actual experimental or statistical data is Relative Frequency. (R.F.)

R.F.= number of times an event occurs number of trials





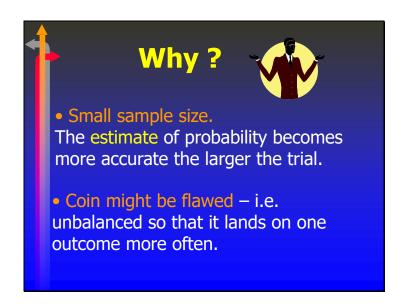
Experimental vs Theoretical

Suppose we toss a coin 50 times. We find that we have 27 heads and 23 tails. The relative frequency of heads is:

$$P(head) = \frac{27}{50} = 54\%$$

In theory , when a coin is tossed, it is equally likely for a head or tail to occur. The probability of a tossing a head is 50%.

Why the difference?





1	sample size	Number learners	R F
2.1 Complete the	5	1	
table on the right to find the relative	10	1	
frequency (R F) of	20	3	
a learner choosing	50	6	
science as their	100	9	
favourite subject.	500	46	
	2000	161	0,081
2.2 Estimate the nur science, using a sam			osing
