## **RELATIVE FREQUENCY**

## **Probability**

## **Key Concepts**

Experimental probability								
differs to theoretical		Coloui	red	d	blue	white		
probability in that it is based upon the <b>outcomes from</b>		Prob	x		0.2	0.3		
<b>experiments</b> . It may not reflect the outcomes we expect.	A spinner is spun, it has four colours on it. The relative frequencies of each colour are recorded.							
Experimental probability is								
also known as the <b>relative</b>		<ul><li>The relative frequency of red and black are the same.</li><li>a) What is the relative frequency of red?</li></ul>						
frequency of an event	b) If the spinner is spun 300 times, how many times do y $0.2 \times 200 = 00$							
occurring.								
<b>Estimating</b> the number of times an event will occur: Probability × no. of trials								
	Key Words							
A Maths Watch	Experimental	Number	1	2	3	4		
	Relative	Prob	<i>x</i> (	0.46	0.28	x		
125	frequency Fraction Decimal Probability Frobability							

Estimate

## Examples

Colour	red	blue	white	black
Prob	x	0.2	0.3	x

mes do you expect it to land on white? 90

> What is the probability that a 4 is landed on?

a)

If the spinner is spun 500 b) times how many times do we expect it to land on a 2?

ANSWERS: a) 0.13 b) 230