

Analyzing Relative Frequency

Part A

The pointer on this spinner is spun.
Determine the likelihood of each event.



Likelihoods

Event	Fraction	Decimal	Percent
not an even number			
12			
a number between 4 and 9			
a number less than 3			
a number less than 10			

Analyzing Relative Frequency (cont'd)**Part B**

Use the likelihoods from Part A.

Predict the results of spinning the pointer 100 times.

Event	Prediction
not an even number	
12	
a number between 4 and 9	
a number less than 3	
a number less than 10	

A student conducted the experiment 100 times.

Event	Results
not an even number	18
12	0
a number between 4 and 9	26
a number less than 3	6
a number less than 10	100

How do your predictions compare with these results?

Analyzing Relative Frequency (cont'd)

Use the results of the experiment to determine the relative frequency of each event.

Relative Frequencies

Event	Results	Fraction	Decimal	Percent
not an even number	18			
12	0			
a number between 4 and 9	26			
a number less than 3	6			
a number less than 10	100			

Compare the relative frequencies with the expected likelihoods. What do you notice? Why might this be?