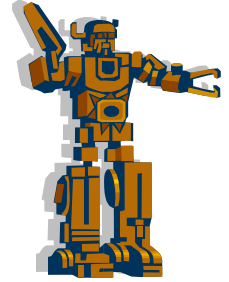


Name: _____

Date: _____

Rock, Paper Scissors Probability Activity – RPS Probability Worksheet

The RPS (Rock Paper Scissor) robot has the ability to throw a rock, paper, or scissor after the touch sensor is pressed. Can you guess which will it be?!



Directions

Make a tally of how many times a rock, paper, or scissor is thrown by the robot.

Trial #	Rock	Paper	Scissor
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Total			

Notice that there are no patterns and you will NOT be able to guess whether the RPS robot will throw either a rock, paper, or scissor. This is because the robot *randomly* generates which one it will throw.

Analysis

1. What is the probability that the RPS robot will shoot Rock? _____
2. What is the probability that the RPS robot will shoot Scissor? _____
3. What is the probability that the RPS robot will shoot Paper? _____
4. You are a risk engineer working for Firm Rock. There are other risk engineers that work for Firm Scissor and Firm Paper. A stadium needs to be built, so the stadium owner notifies all three firms. Using what you have learned on probability, please answer:
 - What is the probability that Firm Rock will get the job? _____
 - What is the probability that Firm Scissor will get the job? _____
 - What is the probability that Firm Paper will get the job? _____