

Home Connections Math Activities

Grade 6

Data Management and Probability



Rock, Paper, Scissors

Rock Paper Scissors

Rules:

1. There are 2 players. Each player chooses rock, paper, or scissors but does not tell the other player.
2. Each player forms his or her hand in a fist. Players shake their fists 3 times, and then using their hand, show which item was chosen. Here is what your 3 options would look like.

Rock



Paper



Scissors



3. Rock beats scissors. If one player chose rock and the other player chose scissors, the player who chose rock would win.
4. Scissors beats paper. If one player chose scissors and the other player chose paper, the player who chose scissors would win.
5. Paper beats rock. If one player chose paper and the other player chose rock, the player who chose paper would win.
6. If both players chose the same item, this would result in a tie.

Play the game several times. After each round record your results on the attached chart.

Probability is a ratio of the number of favourable outcomes to the total number of possible outcomes that are equally likely.

Let's Talk About It

- Which won the most number of rounds, rock, paper, or scissors? Why do you think that might be?
- If you played the game again do you think you would get the same results? Why or why not?

Rock Paper Scissors

Each player chooses a colour to shade in the appropriate square after each round.

Example: If Player 1 chose blue and won the first round with Rock, Player 1 would shade in the first square blue under Rock wins.

Round	Rock Wins	Paper Wins	Scissors Wins	Rock Ties	Paper Ties	Scissors Ties
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						