

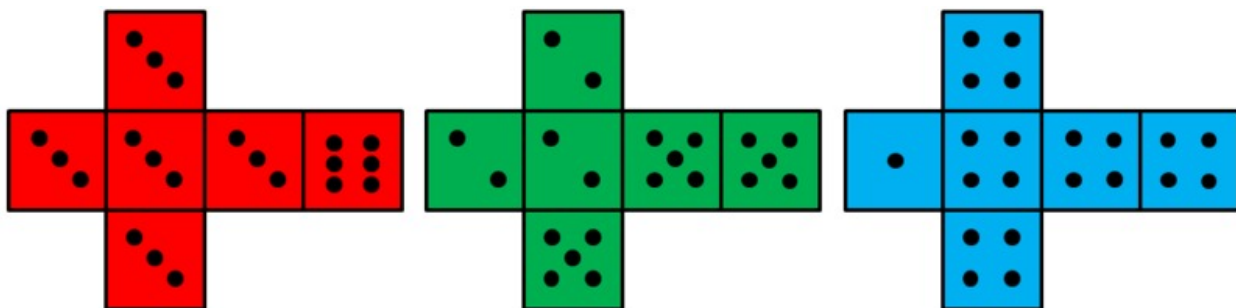
7.SP Red, Green, or Blue?

Task

This is a game for two people.

You have three dice; one is red, one is green, and one is blue. These dice are different than regular six-sided dice, which show each of the numbers 1 to 6 exactly once. The red die, for example, has 3 dots on each of five sides, and 6 dots on the other. The number of dots on each side are shown in the table and picture below.

Red	3	3	3	3	3	6
Green	2	2	2	5	5	5
Blue	1	4	4	4	4	4



To play the game, each person picks one of the three dice. However, they have to pick different colors.

- The two players both roll their dice. The highest number wins the round.
- The players roll their dice 30 times, keeping track of who wins each round.
- Whoever has won the greatest number of rounds after 30 rolls wins the game.

- a. Who is more likely to win when a person with the red die plays against a person with the green die? What about green vs. blue? What about blue vs. red?
- b. Would you rather be the first person to pick a die or the second person? Explain.



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