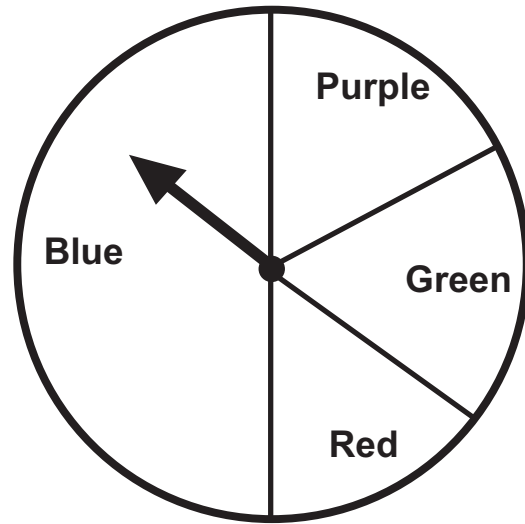


27—The Color Spinner

¹Rob, Patty, Betty and Gerry are playing a spinner game. ²Betty's favorite color is blue. ³Gerry's favorite color is green. ⁴Rob's favorite color is red. ⁵Patty's favorite color is purple. ⁶Any time the spinner lands on someone's favorite color, that person wins! ⁷When the game started Patty said, "This game is not fair." ⁸But since it was raining outside and they were bored, they played the game anyway.



Questions

1. How do you win at this game? Use complete sentences to explain your thinking.

2. What color is the pointer most likely to land on? _____ Use complete sentences to explain your thinking.

3. Who is most likely to win? _____

Write the number of the sentence that gives the best evidence for your answer. _____

4. What are Betty's odds, or chances, of winning each time they spin?
 - a. $\frac{1}{4}$
 - b. $\frac{1}{3}$
 - c. $\frac{1}{2}$
 - d. 1


5. Does Rob's favorite color have the same first letter as that of his first name? _____

Write the number of the sentence that gives the best evidence for your answer. _____

6. What are Rob's odds of winning each time they spin?
 - a. 0
 - b. $\frac{1}{6}$
 - c. $\frac{1}{4}$
 - d. $\frac{1}{3}$

7. Why did the children play the game even though some of them thought it was unfair? Use complete sentences to explain your thinking.

Write the number of the sentence that gives the best evidence for your answer. _____

8.  Why did Patty say this game was not fair? Use complete sentences to explain your thinking.

9. Is it possible that someone else won, other than the one most likely to win (from question 3)? Use complete sentences to explain your thinking.

ANSWERS

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1. In this game, you win by landing on your favorite color.
2. Blue, Blue takes up more space on the game board than any other color.
3. Betty, Sentence 2
4. c, (Since her color covers $\frac{1}{2}$ the game board, she has 1 out of 2 chances.)
5. Yes, Sentence 4
6. b, (Since his color covers $\frac{1}{6}$ of the game board, he has 1 out of 6 chances.)
7. They decided to play the game because it was raining outside, and they were bored.
Sentence 8
8. Patty said that this game was not fair because Betty's chances of winning were better than everyone else's. Blue took more space (one-half) on the spinner board than the others did!
9. Yes, The spinner could still land on other colors besides blue even though the odds of landing on blue are better.