

Name \_\_\_\_\_

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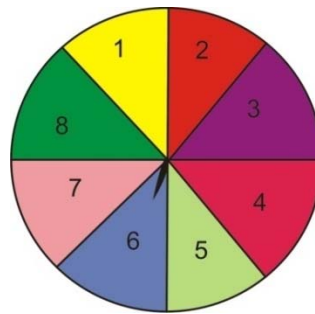
## Using Probabilities to Make Fair Decisions - Guided Lesson

Complete the following problems:

1. Some of Ali's friends are playing with dice. They decide to roll a die. If it lands on 1 then he wins \$5. If it lands on 6 then he wins \$10. If it lands on any other number, he loses \$3.

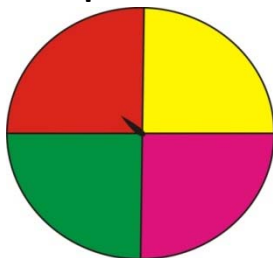
Is this game fair?

2. Caleb makes a spinner. Is this spinner fair?

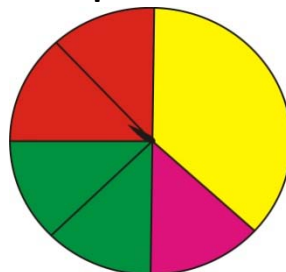


3. Charlie and Molly want to play basketball. To decide that who will take the ball first they make 2 spinners.

**Spinner 1**



**Spinner 2**



If the spinner lands on red color then Charlie will take the ball first and if the spinner lands on yellow color then Molly will take the ball first.

Are both spinners fair to use?

