Name _____   Date _____

Using Probabilities to Make Fair Decisions - Matching Worksheet
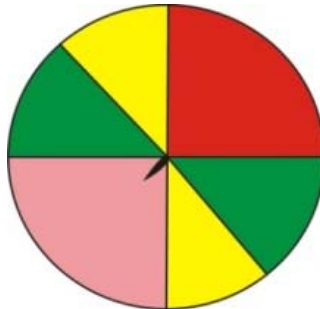
Match the word problems to their answers. Write the letter of the answer that matches the problem.

Not fair

_____ 1. Julia has 20 chocolates. She distributes   a.
these chocolates to her 3 children. For this
she gives a die to them and has them roll
the dice. The condition is this that the
number that you roll is equal to the amount
of chocolate you get.
The first child rolls the dice and dice lands
with number 4, Julia gives him 4 chocolates.
The second child rolls the dice and dice
lands with number 1. Julia gives him 1
chocolate. The third child rolls the dice and
the dice lands with number 6. Julia gives
him 6 chocolates. Is this distribution fair?

fair

_____ 2. Stella and Angelina want to go on the   b.
picnic with their school. But their parents
permit only one to go. Now they decide that
who will go. For this they have a suggestion
that is:

They spin the 6 sectors spinner. If the
spinner lands on yellow and green then
Stella will go. And if the spinner lands on
any of the other colors then Angelina will
win. Is this fair?