Represent probabilities as ratios, proportions, decimals between 0 and 1, and percentages between 0 and 100 and verify that the probabilities computed are reasonable; know that if x is the probability of an event, 1 - x is the probability of an event not occurring. 6PS3.3

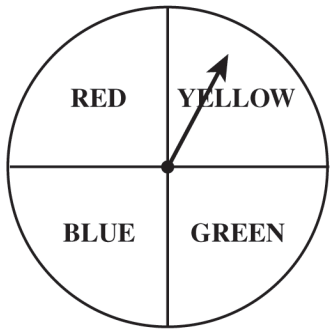
44. A bucket contains 3 bottles of apple juice, 2 bottles of orange juice, 6 bottles of tomato juice, and 8 bottles of water. If Kira randomly selects a bottle, what is the probability that she will select a drink other than water?

A $\frac{3}{4}$

B $\frac{11}{19}$

C $\frac{8}{19}$

D $\frac{1}{4}$



45. The spinner shown above is fair. What is the probability that the spinner will not stop on red if you spin it one time?

A $\frac{1}{4}$

B $\frac{1}{3}$

C $\frac{3}{4}$

D $\frac{4}{3}$

46. Fran has 16 CDs in a box: 6 country, 6 rock, 2 dance, and 2 classical. If she takes out one CD without looking, what is the probability that she will pick a rock or country CD?

A 25%

B 50%

C 75%

D 100%