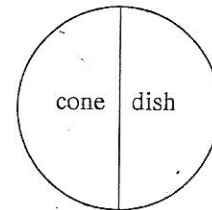
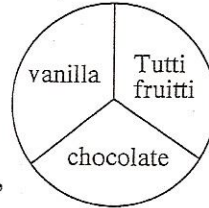


Problems

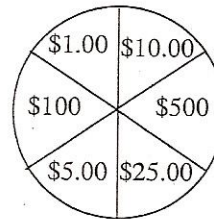
1. If Keisha has four favorite shirts (one blue, one green, one red, and one yellow) and two favorite pairs of pants (one black and one brown), how many different favorite outfits does she have? What is the best way to count this?
2. Each morning Aaron starts his day with either orange juice or apple juice followed by cereal, toast or scrambled eggs. How many different morning meals are possible for Aaron?

3. Eliza likes to make daily events into games of chance. For instance, before she went to buy ice cream at the local ice cream parlor, she created two spinners. The first has her three favorite flavors while the second has "Cone" and "Dish." Eliza will order whatever comes up on the spinners. What is the probability that she will be eating tutti frutti ice cream from a dish?

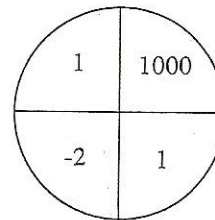


4. Barty is going to flip a coin three times. What is the probability that he will see at least two tails?
5. Mr. Fudge is going to roll two fair dice, one green and one red. What is the probability that the sum will be four or less?

6. Welcome to another new game show, "Spinning for Luck!" As a contestant, you will be spinning two wheels. The first wheel determines a possible dollar amount that you could win. The second wheel is the "multiplier." You will multiply the two results of your spin to determine the amount you will win. Unfortunately, you could owe money if your multiplier lands on -2! What is the probability that you could win \$100 or more? What is the probability that you could owe \$100 or more?



Dollar amount



The Multiplier

For problems 7-10, a bag contains the figures shown below right. If you reach in and pull out a shape at random, what is the probability that you pull out:

7. a figure with at least one right angle?
8. a figure with an acute angle?
9. a shape with at least one pair of parallel sides?
10. a triangle?

