Outside-of-Class Game

Probability Scavenger Hunt

Get Ready!

Separate the class into four teams.

- Probability Scavenger Hunt master, p. 32

Get Set!

Make a copy of the Probability Scavenger Hunt master on page 32 for each student in the class.

Go!

- Students try to collect as many of the items on the list as possible.
- The number of points they receive for each item is listed next to the item on the Probability Scavenger Hunt master.
- Give students a specified amount of time to collect the items. A suggested time is 1–2 weeks. Require students to bring the items to class at the end of the time period. You may wish to ask students to explain and/or justify their findings.
- The team with the most points wins.

Name_____ Date_____

Outside-of-Class Game

Probability Scavenger Hunt

- Find and bring in as many items on this list as you can find. Be prepared to identify or explain your findings.
- The points you will receive for each item are listed next to the item.
- You have until _____ to bring in the items.
- The team with the most points wins.

1. Items from home

a) an item that you can use to illustrate probability (10)

b) something that indicates how probability or counting can be used at home (10)

c) a premade spinner (10)

d) a description of a game that is not fair (15)

2. Items from school

a) a description of how the physical education department uses probability or counting (10)

b) a description of how the science department uses probability or counting (Do *not* describe Punnett squares.) (10)

c) a description of choices in everyday life that you can illustrate with a tree diagram, and the tree diagram you made (15)

d) a signed statement from a nonmathematics teacher saying that he or she has used probability during the past week (20)

3. Items from newspapers, magazines, books, or the Internet

a) an article that describes arrangements or choices that you can quantify with permutations or combinations (15)

b) an article about how someone uses probability in his or her job (15)

c) a nonmathematics book that uses probability to explain a concept (10)

d) a cartoon about probability (10)

e) a web site that discusses probability (15)

4. Items from the community

a) a library book that describes Pascal's Triangle and a one-paragraph description of a "fun fact" about Pascal's Triangle that you learned from the book (15)

b) an item that describes the use of sampling in research (15)

c) a game that illustrates the probability of compound events (15)

d) an adult willing to visit your class to describe how he or she uses probability in his or her job (25)