

NAME: _____

P.I. A.N.7: Determine the number of possible events, using counting techniques or the Fundamental Principle of Counting

1. Explain how the counting principle can help you determine the number of different combinations of shoes and socks you can wear.
2. State one way to find the number of possible outcomes of independent events.

Answers may vary. Sample: Find the number of pairs of shoes. Find the number of pairs of socks.

[1] Multiply the two numbers to find the total number of possible combinations.

[2] Answers may vary. Sample: use the multiplication counting principle