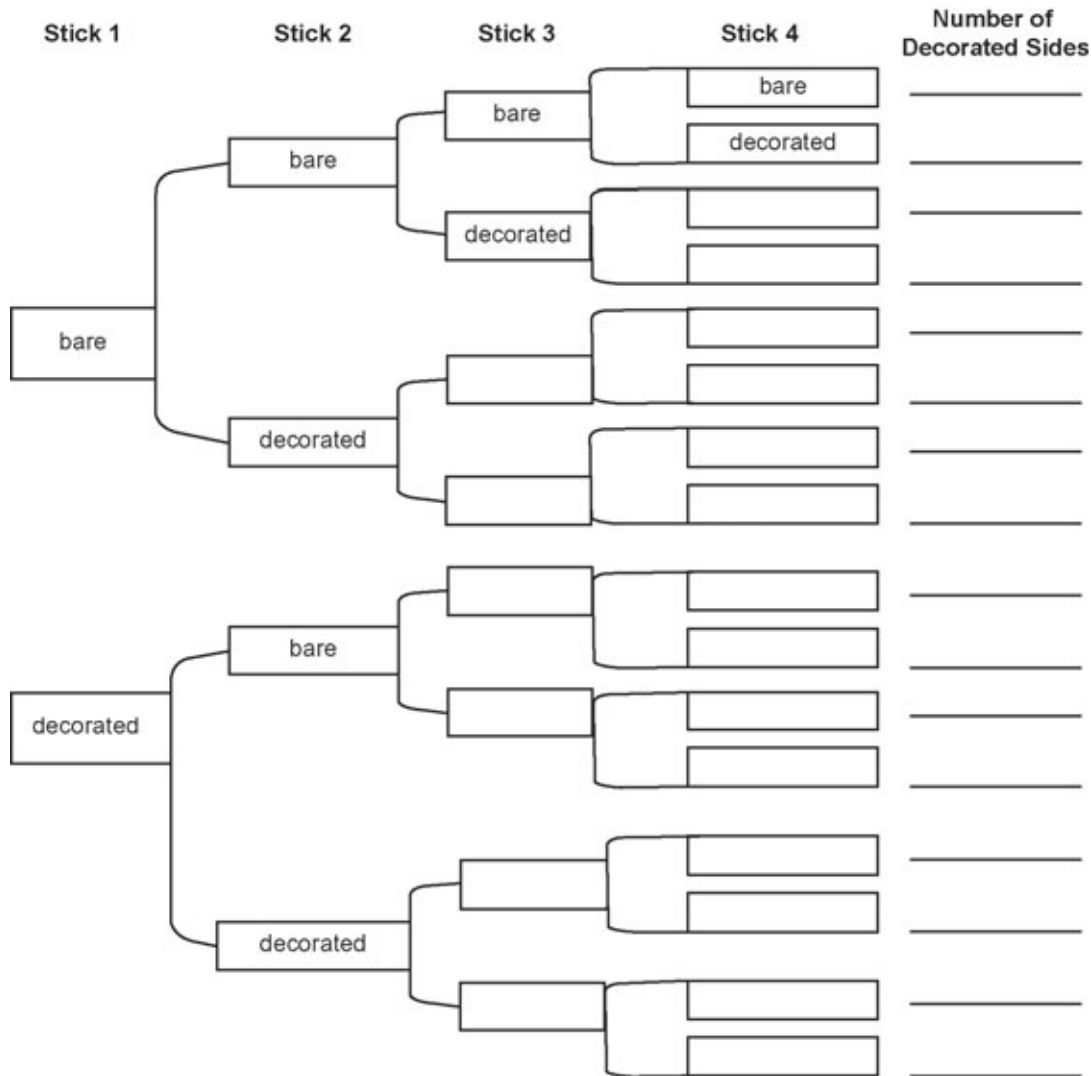


Section 11.1 Math Link

This worksheet will help you with the Math Link on page 418.

1. Complete the following tree diagram to determine all the possible outcomes for a toss of four sticks.



2. **a)** How many possible outcomes are there? _____ **b)** How many outcomes have only one decorated side up? _____ **c)** two decorated sides up? _____ **d)** three decorated sides up? _____ **e)** four decorated sides up? _____ **f)** no decorated sides up? _____
3. What is the probability of exactly three sticks landing decorated side up? Give your answer as a fraction, a decimal, and a percent.