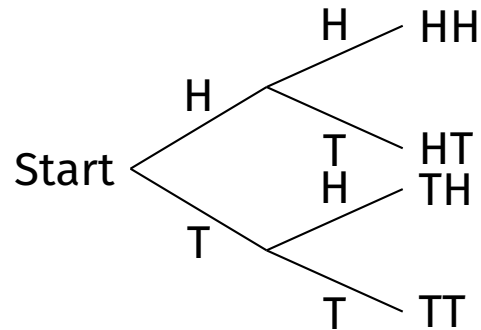
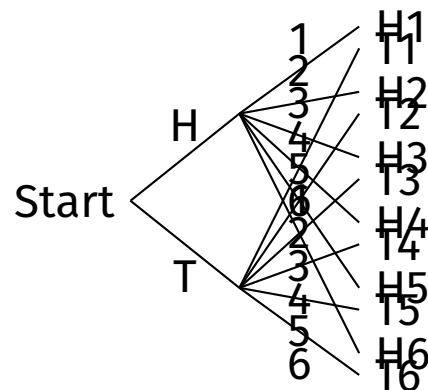


# Excellence

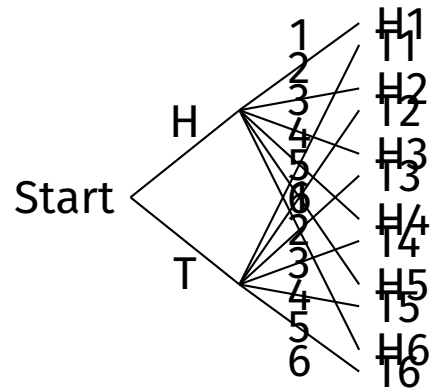
1. Use this tree for two coin tosses. A student says there are only 3 outcomes because the answers are heads, tails, or one of each. Are they correct? Explain.



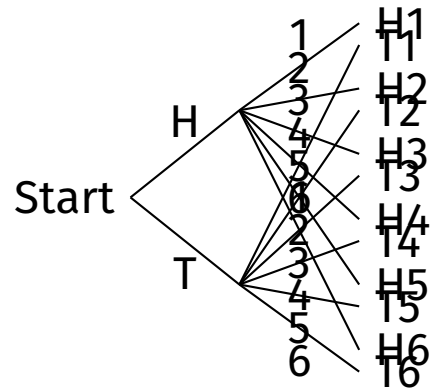
2. Use this tree to list the sample space for tossing a coin and rolling a die.



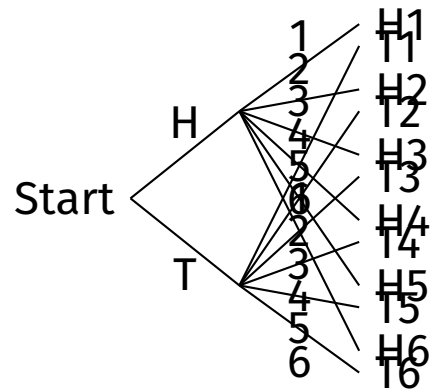
3. Use the tree to say how many outcomes are in the sample space.



4. Use the tree to find the probability of getting heads and a 5.



5. Use the tree to find the probability of getting tails and an even number.



6. A student says the probability of drawing a red card from a standard deck is  $\frac{1}{4}$ . Are they correct? Explain.
7. A spinner has 8 equal sectors. 3 are red, 3 are blue, and 2 are yellow. What is the probability of not landing on yellow?
8. A bag contains 2 red, 5 blue, and 3 green counters. What is the probability of picking red or green?
9. A standard deck card is chosen. What is the probability of drawing a face card?
10. A standard deck card is chosen. What is the probability of drawing a red king?