

## Answer Key

1.	HEADS	HEADS	HEADS
2.	HEADS	HEADS	tails
3.	HEADS	tails	HEADS
4.	HEADS	tails	tails
5.	tails	HEADS	HEADS
6.	tails	HEADS	tails
7.	tails	tails	HEADS
8.	tails	tails	tails

2a.  $2^1 = 2$

2b.  $2^2 = 4$

2c.  $2^3 = 8$

2d.  $6^1 = 6$

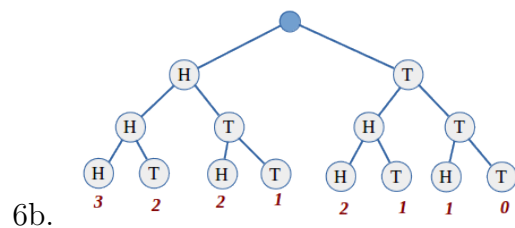
2e.  $6^2 = 36$

2f.  $6^3 = 216$

3. `totalOutcomes = outcomesPerEvent  $\wedge$  eventExecutions`

4. 2nd-to-last: Person 14; last: Person 5

5. 2nd-to-last: Person 6; last: Person 5

6a. 1. HHH, 2. HHT, 3. HTH, 4. HTT,  
5. THH, 6. THT, 7. TTH, 8. TTT

6c. ...

6d. More likely to get exactly 2 heads.