

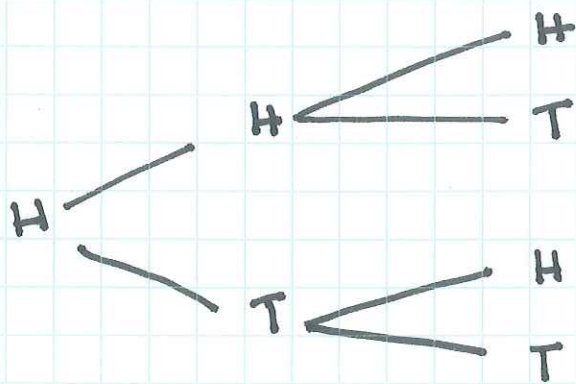
2.3

Coin 1

Coin 2

Coin 3

Outcomes



H H H

H H T

H T H

H T T

T H H

T H T

T T H

T T T

(A) 1. Sample Space

(A) 2. There are 8 possible outcomes. Yes, all outcomes have a $\frac{1}{8}$ chance of occurring.

3. $P(\text{three match}) = \frac{2}{8}$ or $\frac{1}{4}$

4. $P(\text{two match}) = \frac{6}{8}$ or $\frac{3}{4}$

5. three match = Santo $\frac{2}{8}$ or $\frac{1}{4}$ or 25%

Not fair Tevy $\frac{6}{8}$ or $\frac{3}{4}$ or 75%

(B) $P(\text{two match}) = \frac{6}{8} \xrightarrow{\times 3} \frac{18}{24}$ 18 times