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**5.01 Worksheet**

**Frequency of Heads vs. Tails Simulated with a Fair Coin (50:50)**

10x 100x 1000x 10000x

Heads 5 53 509 5047

Tails 5 47 491 4953

Heads 5 52 510 4983

Tails 5 48 490 5017

Heads 6 55 400 5003

Tails 4 45 500 4997

Heads 4 40 499 4982

Tails 6 60 501 5018

**Frequency of Heads vs. Tails Simulated with a Biased Coin (3:7)**

10x 100x 1000x 10000x

Heads 5 26 298 2947

Tails 5 74 702 7053

Heads 2 28 298 2970

Tails 8 72 702 7030

Heads 0 45 301 2977

Tails 10 55 699 7023

Heads 3 47 254 2971

Tails 7 53 746 7029