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

|  | 10x | 100x | 1000x | 10000x |
| --- | --- | --- | --- | --- |
| Heads | 8 | 51 | 512 | 5101 |
| Tails | 2 | 49 | 482 | 4899 |
|  |  |  |  |  |
| Heads | 5 | 47 | 511 | 4960 |
| Tails | 5 | 53 | 489 | 5040 |
|  |  |  |  |  |
| Heads | 4 | 55 | 481 | 4944 |
| Tails | 6 | 45 | 519 | 5056 |
|  |  |  |  |  |
| Heads | 5 | 44 | 513 | 5008 |
| Tails | 5 | 56 | 487 | 4992 |
|  |  |  |  |  |
| Heads | 3 | 58 | 507 | 5001 |
| Tails | 7 | 42 | 493 | 4999 |
|  |  |  |  |  |
| Avg. Heads | 5 | 51 | 504.8 | 5002.8 |
| Avg. Tails | 5 | 51 | 499.2 | 4997.2 |

Frequency of Heads vs. Tails Simulated with a Biased Coin (60:40)

|  | 10x | 100x | 1000x | 10000x |
| --- | --- | --- | --- | --- |
| Heads | 6 | 53 | 614 | 5908 |
| Tails | 4 | 47 | 386 | 4092 |
|  |  |  |  |  |
| Heads | 5 | 59 | 575 | 6040 |
| Tails | 5 | 41 | 425 | 3960 |
|  |  |  |  |  |
| Heads | 5 | 62 | 588 | 5412 |
| Tails | 5 | 38 | 412 | 4088 |
|  |  |  |  |  |
| Heads | 8 | 60 | 630 | 6034 |
| Tails | 2 | 40 | 370 | 3966 |
|  |  |  |  |  |
| Heads | 6 | 66 | 590 | 6056 |
| Tails | 4 | 34 | 410 | 3944 |
|  |  |  |  |  |
| Avg. Heads | 6 | 60 | 599.4 | 5890 |
| Avg. Tails | 4 | 40 | 400.6 | 4010 |