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| **Comparing Theoretical and Experimental Probabilities** | | | |
| Conducts single-outcome experiment and calculates experimental probabilities.    “I tossed the coins 20 times and got 8H and 12T.  The experimental probabilities are: H: , T: .” | Conducts experiment involving 2 events and calculates experimental probabilities.    “I tossed the coins 20 times and got 3HH, 6TT, 11HT.  The experimental probabilities are: HH: , TT: , HT: .” | Determines and compares the theoretical and experimental probabilities.    “The actual result was different than the theoretical probability,  but that is to be expected.” | Determines and compares probabilities after a greater number of trials.    “I used the Pearson Probability Tool to toss the coins 500 times. The results got closer to the theoretical probabilities.” |
| **Observations/Documentation** | | | |
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