

Lesson 33: Relative Frequency

Homework

Name _____ Date _____

Directions: Read each probability experiment and give the probability and the relative frequency and answer the questions below the experiment.

Situation	Probability of the event	Relative frequency
1. Coin toss 100 times: 52 heads, 48 tails	What is the probability of flipping a tail on the coin?	Of tails:
2. Coin toss 50 times: 23 heads, 27 tails	What is the probability of flipping a tail on the coin?	Of tails:

3. Which situation had a relative frequency that was closer to the probability?
Can you make a prediction why that was the result?

Based on this information, what do you predict would happen if the experiment had 200 trials?

Situation	Probability of the event	Relative frequency
4. Fair number cube: 25 total tosses 3 tosses were a 6.	What is the probability of tossing a 6?	Relative frequency of tossing a 6:
5. Fair number cube: 50 total tosses 9 tosses were a 6.	What is the probability of tossing a 6?	Relative frequency of tossing a 6:

6. Which situation had a relative frequency that was closer to the probability?
Can you make a prediction why that was the result?

Based on this information, what do you predict would happen if the experiment had 150 trials?