Percent Error Word Problems

Round your answer to the nearest tenth.

1) As part of a probability experiment, Matt flipped a coin 50 times. He predicted the coin would come up tails 25 times, but it did so only 21 times. What is the percent error in Matt's prediction?

2) Julie is preparing lemonade for her friends on a hot afternoon. She estimates 2 gallons of the best thirst-quenching mix. Instead, she has 3 gallons and uses 4 gallons. What is the percent error in Julie's estimate?

3) A dance school and 10 dance aspirants sign up. To the school's surprise, 23 people enrolled for the class, what is the percent error in the school's estimate?

4) Robert cycled for 5 hours at an average speed of 15 miles per hour, but it was actually to be 14 miles per hour, what is the percent error in Robert's estimate?

5) Adam is working on a science project. He guessed the project would take another 7 days to complete, but it actually took 8 days. What is the percent error in Adam's estimate?