

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 beverage, but she actually made 4 gallons. What is the percent error in her estimate?

- 3) A dance school announced that 10 dance aspirants to 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 50 minutes, but it was actually 14 minutes longer. 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?

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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?

19%

- 2) Julie is preparing lemonade for her friends on a hot afternoon. She estimates 2 gallons of the beverage, but she actually made 4 gallons. What is the percent error in her estimate?

50%

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

56.5%

- 4) Robert cycled for 50 miles per hour, but it was actually 14 miles per hour. What is the percent error in Robert's estimate?

40%

- 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?

12.5%

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