

## Percent Error Word Problems

Round your answer to the nearest tenth.

- 1) Coach Wright predicted his team would score 55 points in a game. The team, however, exceeded the coach's expectations and went on to score 64 points. What is the percent error in the coach's prediction?

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- 2) Selena chooses a box that perfectly fits into a cubbyhole in the office desk. She is under the impression that the box is 15 inches deep. But in reality, it is only 12 inches deep. What is the percent error in Selena's estimate?

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- 3) A trader estimated that the price of a stock would rise by 10% by the end of the week. Fortune was made when the price actually rose by 15%. What was the percent error in the trader's estimate?

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- 4) Miranda, a hairdresser, estimated that she would need 20 yards of ribbon to be \$20. Exceedingly pleased, she bought 32 yards of ribbon for \$32. Calculate the percent error in Miranda's estimate.

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- 5) Mary is creating Christmas decorations using ribbons. She estimates the decorations will need 8 yards of ribbon, but she needed only 5 yards. Find the percent error in Mary's estimate.

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## Percent Error Word Problems

Round your answer to the nearest tenth.

- 1) Coach Wright predicted his team would score 55 points in a game. The team, however, exceeded the coach's expectations and went on to score 64 points. What is the percent error in the coach's prediction?

**14.1%**

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- 2) Selena chooses a box that perfectly fits into a cubbyhole in the office desk. She is under the impression it is 15 inches deep. But in reality, it is only 12 inches deep. What is the percent error in Selena's estimate.

**25%**

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- 3) A trader estimated a stock would rise 10% by the end of the week. Fortune was 12% higher than the trader's estimate. What was the percent error in the trader's estimate?

**18%**

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- 4) Miranda, a hairdresser, estimated she would charge a customer \$20. Exceedingly pleased, she charged the customer \$32. Calculate the percent error in Miranda's estimate.

**37.5%**

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- 5) Mary is creating Christmas decorations using ribbons. She estimates the decorations will need 8 yards of ribbon, but she needed only 5 yards. Find the percent error in Mary's estimate.

**60%**

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