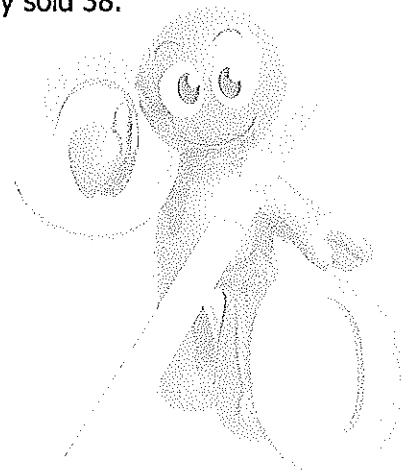


Name \_\_\_\_\_ Date \_\_\_\_\_

# Percent Error

Calculate each Percent Error and round to the nearest whole number. Then find the multiple choice answer that matches and record the letter of the answer on the blank in front of the problem.

- B \_\_\_\_ 1) You anticipated 15 friends to come to your birthday party and 14 actually came.  
A) 6%      B) 7%      C) 20%      D) 93%
- B \_\_\_\_ 2) Tom measured the length of a grass field to be 36 meters and it was actually 37 meters.  
A) 2%      B) 1%      C) 3%      D) 4%
- B \_\_\_\_ 3) Zoe estimated 150 students would go on the field trip, but only 135 went.  
A) 10%      B) 12%      C) 15%      D) 11%
- B \_\_\_\_ 4) Kelly expected a bag of Skittles to have 20 red skittles but it only had 12  
A) 7%      B) 6%      C) 40%      D) 67%
- B \_\_\_\_ 5) Julia planned to feed 40 people at a holiday meal, but only 32 ate.  
A) 75%      B) 80%      C) 20%      D) 25%
- B \_\_\_\_ 6) Sally measured the length of a room to be 20 feet when it was actually 22 feet.  
A) 10%      B) 11%      C) 9%      D) 12%
- B, C \_\_\_\_ 7) Bill thought he needed to get 17 math problems right to get an A, but he really needed 19.  
A) 11%      B) 10%      C) 12%      D) 13%
- B, C \_\_\_\_ 8) Tyler thought a new TV would cost \$599, but it was really \$699.  
A) 16%      B) 17%      C) 14%      D) 15%
- B, C \_\_\_\_ 9) A bakery anticipated selling 40 cookies on Friday, but only sold 38.  
A) 4%      B) 6%      C) 5%      D) 50%
- B, C \_\_\_\_ 10) Sara had 2 cups of sugar, but only needed  $1\frac{1}{4}$  cup.  
A) 60%      B) 40%      C) 38%      D) 20%



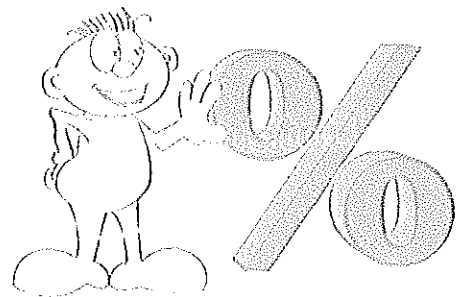
Name \_\_\_\_\_ Date \_\_\_\_\_

# Percent Error

Find each percent error, rounded to the nearest whole number. Then, find the answer in the matching column and record the letter of the answer on the blank beside the number.

- A \_\_\_\_ 1) You anticipated 10 friends to come to your birthday party and 12 actually came.
- A \_\_\_\_ 2) James measured the length of a field to be 34 meters and it was actually 37 meters.
- A \_\_\_\_ 3) Chloe estimated 27 students would go on the field trip, but only 20 went.
- A \_\_\_\_ 4) Zack expected a bag of M & M's to have 15 green M & M's but it only had 12.
- A \_\_\_\_ 5) Oliver planned to feed 30 people at a holiday meal, but only 26 ate.
- A \_\_\_\_ 6) Susan measure the length of a room to be 16 feet when it was only 14 feet.
- A \_\_\_\_ 7) Jimmy thought he needed to get 14 math problems right to get an A, but he really needed 15.
- A \_\_\_\_ 8) Tyler thought a new iPad would cost \$259, but it was really \$299.
- A \_\_\_\_ 9) A bakery anticipated selling 50 cupcakes on Monday, but only sold 38.
- A \_\_\_\_ 10) Sara had 1 cup of sugar, but needed  $1\frac{1}{2}$  cup.

- A) 7%
- B) 14%
- C) 17%
- D) 32%
- E) 35%
- F) 33%
- G) 8%
- H) 15%
- I) 13%
- J) 25%



# Calculating Percent Change and Percent Error

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Show your work. Round to the nearest tenth of a percent.

C 21 Alexis had a cell phone that cost \$65. She recently bought a new phone that cost \$79. What was the percent increase in the prices of the phones?

C 22 Kevin bought a used guitar at a garage sale for \$150. He fixed it up and sold it for \$200. What was the percent increase?

C 23 Elle earned \$45 last month babysitting. This month she earned \$35. What is the percent decrease?

C 24 Ray predicted that he would score 16 points during the basketball game. He only scored 12 points. What was his percent error?

C 25 Ainsley thought there were 25 students in her math class, but there were actually 27 students. What is her percent error?

C 26 Trent told his friends it would take him 90 minutes to mow the lawn. It only took him 75 minutes. What is his percent error?