

Finding a percentage of a total amount: Real-world situations:

Worksheet 6.1

Name Date Score

1. A small bag of grain weighed 14 ounces. A large bag was 10 percent heavier. What is the weight of the large bag of grain?
2. A plant was 54 centimeters tall. It grew 12% taller after a month. What was the height of the plant after a month?
3. An old battery lasts for 11 hours. The new battery lasts 30 percent longer. How many hours will the new battery last?
4. A store had a table that cost \$62. After a few months the store took 10% off the price. How much is cost of the table now?
5. A store sold lawn mowers for \$72 each. The service agreement cost 20% of the price of the lawn mower. What would be the cost for a mower and service agreement?
6. A computer game costs \$25. This Christmas season, the game is marked 20% off. How much does the game cost after discount?
7. An older LED TV had a 29-inch screen width. The newer model has screen width increased by 20%. What is the width of the new TV screen?
8. An older version of a mobile phone was 87 millimeters thick. The new version is about 14% thinner. How thick is the new version?
9. Ted made a video that was 40 minutes long, but he edited and removed 8% of it. How long was Ted's video after he edited it?
10. A food joint bill was \$48. If you give a 15% tip, what total amount will you give?



Solutions: Worksheet 6.1

1. 15.4 ounces
2. 60.48 cm
3. 14.3 hours
4. \$55.80
5. \$86.40
6. \$20
7. 34.8 inches
8. 74.82 mm
9. 36.8 minutes
10. \$55.20

