

# Finding a percentage of a total amount: Real-world situations: Worksheet 6.2

Name ..... Date ..... Score .....

1. Shania's hair was 36 centimeters long. During summer she cut off 10% of her hair. How long was Shania's hair after the haircut?
2. An older version of a mobile phone was 85 millimeters thick. The new version is about 15% thinner. How thick is the new version?
3. An old battery lasts for 12 hours. The new battery lasts 25 percent longer. How many hours will the new battery last?
4. A store had a table that cost \$68. 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 \$75 each. The service agreement cost 22% of the price of the lawn mower. What would be the cost for a mower and service agreement?
6. A computer game costs \$28. This Christmas season, the game is marked 20% off. How much does the game cost after discount?
7. An older LED TV had a 37-inch screen width. The newer model has screen width increased by 20%. What is the width of the new TV screen?
8. A plant was 56 centimeters tall. It grew 14% taller after a month. What was the height of the plant after a month?
9. Ted made a video that was 45 minutes long, but he edited and removed 10% of it. How long was Ted's video after he edited it?
10. A food joint bill was \$56. If you give a 20 percent tip, what total amount will you give?



## Solutions: Worksheet 6.2

1. 32.4 cm
2. 72.25 cm
3. 15 hours
4. \$61.20
5. \$91.50
6. \$22.40
7. 44.4 inches
8. 63.84 cm
9. 40.5 minutes
10. \$67.20

