## PERCENT 3

1. Convert to a decimal:

   a. 75%              b. 37 ½ %

2. Convert to a fraction:

   a. 150%             b. 3 ¼ %

3. Convert to percentage:

   a. 0.15          b. 0.002        c. ¾          d. 2/3          e. 2 ½

4. Solve the following.

   a. What percent of 85 is 17?

   b. 75 is 300% of what number?

   c. Find 12% of 12.

5. Dimitri got 39 out of 65 on the math test.  What is the percent?

6. 62% of the 12,000 citizens voted for Kim.  How many votes did Kim receive?

7. An 800 gram water sample contained 0.02% iron.  How many grams of iron are in the water?

8. Only 17 of the 102 respondents answered the metric question correctly. What percent did not get the question correct?

9. Seven percent of light bulbs produced at The Light House are known to be defective. If 140 defective light bulbs were found last Tuesday, how many light bulbs were produced?

10. Enrollment in Adult Basic Education classes in September 2018 was 712 students. In September 2017, the enrollment was 656. What is the percentage increase?

11. A television originally priced at $799 has been marked down to $549. What is the percent decrease?

12. Find the simple interest on a credit card bill of $960 at 16% for 60 days.

13. Find the simple interest on $2,100 invested at 4% interest for ½ a year.

14. A purchase of $44 has additional sales tax of $2.31. What is the sales tax rate?

**ANSWER KEY**

1. a. 0.75        b. 0.375

2. a. 3/2 OR 1 ½        b. 13/400

3. a. 15%        b. 0.2%        c. 75%        d. 66 2/3% or $66.\overline{6}\%$        e. 250%

4. a. 20%        b. 25        c. 1.44

5. 60%

6. 7,440 votes

7. 0.16 grams

8. 16.7%

9. 2,000 bulbs

10. 8.5%

11. 68.7%                                    12. $25.25

13. $42                                         14. 5.25%

Source: Government of BC used with permission.