Mid-Unit Review

5.1

1. Write each percent as a fraction and as a decimal.
   a) 60%   **b)** 9.75%   **c)** 97.5%

2. Use a hundredths chart to represent 1%. Shade a hundredths chart to show each percent.
   a) 0.12%   **b)** $\frac{4}{5}$%   **c)** 0.65%   **d)** $\frac{1}{10}$%

3. Write each decimal as a fraction and as a percent.
   a) 0.18   **b)** 0.006   **c)** 0.875   **d)** 0.0075

5.2

4. Write each percent as a decimal. Draw a diagram to illustrate each percent.
   a) 145%   **b)** 350%   **c)** 0.44%   **d)** 0.2%

5. Jon reported his mark on a test as 112%. Is this mark possible? Give an example to support your answer.

6. A local school raised $5687.50 for the Terry Fox Foundation. Hua raised 0.8% of this total. How much money did Hua raise?

5.3

7. Find the number in each case.
   a) 15% of a number is 3.
   b) 160% of a number is 80.

8. Meryl sold 8% of the tickets to the school play. Meryl sold 56 tickets. How many tickets were sold in all?

9. Write this decrease as a percent. Illustrate this percent on a number line.
   The attendance fell from 9850 to 8274.

5.4

10. The regular price of an ink cartridge is $32. It is on sale in Kelowna, BC, for 20% off. Calculate the sale price including taxes.

11. During a 30%-off sale in Portage la Prairie, Manitoba, the sale price of a memory stick was $27.99.
    a) What was the regular price of the memory stick?
    b) What was the regular price of the memory stick including taxes?
    c) What is the sale price of the memory stick including taxes?
    d) How much do you save by buying the memory stick on sale?

12. Jessica gets a 15% employee discount on everything she buys from Fashion City, in Whitehorse, Yukon. The regular price of a pair of jeans in this store is $69. They have been reduced by 30%. How much will Jessica pay for the jeans including taxes?