5.2 - Calculating Percents ASSIGNMENT

1. Write each percent as a decimal.
   a)   275%   b)   156%

   c)   320%   d)   0.25%

   e)   0.5%   f)   0.58%

2. Write each fraction as a percent.
   a)   6/5   b)   45/40

   c)   1/53   d)   9/6

   e)   60/25 f)   9/2

3. Find each percent of the number.
   i) 400% of 240   ii)   40% of 240

   iii) 4% of 240   iv)   0.4% of 240

4. One hundred sixty students attended Music Night on Thursday night.
   The attendance on Friday night was 120% of the attendance on Thursday night.
   The attendance on Saturday night was 75% of the attendance on Friday night.
   a)   How many people attended Music Night on Friday night?

   b)   How many people attended on Saturday night?

   c)   What was the total attendance for the 3 nights?

5. A house was purchased for $450 000.
   Three years later, the house was sold for 124% of its purchase price.
   a)   What was the selling price of the house?

   c)   By how much did the value of the house increase over the three years?

6. In a 500-word assignment, the teacher noted that 1.2% of the words were incorrectly spelled.
   How many words were correctly spelled?

7. A zoo has 15 emperor penguins. The emperor penguins make up 30% of all the penguins at the zoo. How many penguins live at the zoo?

8. To advertise her pastry shop, Karen planned to spend $400. She spent $142 on newspaper ads. What percent of the $400 did she spend?

9. In a packet of 40 skittles, 35% are red. How many skittles are not red?

10. A Hot Wheels car costs $5 at a store.
   a. If the store is having a sale of 15%, how much does it cost now? Round your answer to the nearest hundredth.

   b. How much do you pay for the Hot Wheels including G.S.T.? Round your answer to the nearest hundredth.