

Math 7 Period \_\_\_\_\_  
7.4.8 Homework Set

Name \_\_\_\_\_  
Date \_\_\_\_\_

1. A pair of designer sneakers was purchased for \$120. Since they were purchased, their price has increased by 15%. What is the new price?
  
  
  
  
  
  
  
  
  
  
2. Elena's aunt bought her a \$150 savings bond when she was born. When Elena is 20 years old, the bond will have earned 105% in interest. How much will the bond be worth when Elena is 20 years old?
  
  
  
  
  
  
  
  
  
  
3. In a video game, Clare scored 50% more points than Tyler. If  $c$  is the number of points that Clare scored and  $t$  is the number of points that Tyler scored, which equations are correct? Select **all** that apply.
  - a.  $c = 1.5t$
  - b.  $c = t + 0.5$
  - c.  $c = t + 0.5t$
  - d.  $c = t + 50$
  - e.  $c = (1 + 0.5)t$

4. Draw a diagram to represent each situation:

A. The number of miles driven this month was a 30% decrease of the number of miles driven last month.

B. The amount of paper that the copy shop used this month was a 25% increase of the amount of paper they used last month.  
(from Unit 4, Lesson 6)

5. Which decimal is the best estimate of the fraction  $\frac{29}{40}$ ?

a. 0.5

b. 0.6

c. 0.7

d. 0.8

(from Unit 4, Lesson 5)