### Lesson 8 Practice Problems

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 is the number of points that Clare scored and is the number of points that Tyler scored, which equations are correct? Select **all** that apply.
4. Draw a diagram to represent each situation:
   1. The number of miles driven this month was a 30% decrease of the number of miles driven last month.
   2. 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.)

1. Which decimal is the best estimate of the fraction ?
   1. 0.5
   2. 0.6
   3. 0.7
   4. 0.8

* (From Unit 4, Lesson 5.)

1. Could 7.2 inches and 28 inches be the diameter and circumference of the same circle? Explain why or why not.

* (From Unit 3, Lesson 3.)



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