*Percent of Change Notes*

*SOL 8.3 (b)*

A percent of change is ­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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In what form can a ratio be written? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ x = % of change

**Problem # 1: Zack Cole shot an 86 on the golf course on Monday. On Friday he shot a 95. What is the % of change?**

Is the score increasing or decreasing? Circle one

**Problem # 2: Kelly Dyer became a great writer. She had a picnic each year to celebrate the date of her first published work. The 1st year 50 people came. The 2nd year 30 people came. What is the percent of change?**

Is the number of people increasing or decreasing? Circle one

**Problem # 3: Last six weeks Joseph Lawhorn made an 88 average in class. This six weeks he made a 92. Please figure the percent of change.**

Is his average increasing or decreasing? Circle one

**Problem # 4: Angela Smyre became a famous architect. She made $90,000 in 2004. In 2005 she made $120,000. What is the percent of increase?**

**Problem # 5: Amber Robinson became a foster mother, because she is so good with children. She took care of 8 children in 2003. In 2004 she had only 5. What is the percent of change?**

Is the number of children increasing or decreasing? Circle one

**Problem # 6: Jonathan Rogers drew 47 planes in 4th period. He drew 28 in 5th period. What is the percent of change?**

**Problem # 7: Matt Viers bought 42 CD’s last year. He bought only 35 this year. (He lost all his money in the stock market) What is the percent of change?**

**Problem # 8: Lisa LaViers became a great singer. She was so famous she had 12 body guards at one concert. At the next concert she had 15 body guards. What is the percent of change?**

**Problem # 9: Jessica Summey and Emily Lower were famous mud wrestlers. They made $45,000 in 2008. In 2009 they made $60,000. What is the percent of change?**

**Problem # 10: Brittany Berrier became a famous doctor. She took out 15 gall bladders on May 15th. She took out 30 on May 18th. What is the % of change?**