

**2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment**

8.4

- 1. There were 350 apples on the tree in March. By September there were 420 apples on the tree. What was the percentage of change of apples on the tree? Round your answer to the nearest tenth.**

- 2. A swim coach charges \$50 for each half-hour lesson.**

Select the statements that correctly match this ratio.

She charges \$100 for each one hour lesson	She charges \$25 for each one hour lesson	She charges \$150 for each two hour lesson
She charges \$150 for each	She charges \$100 for each fifteen minute lesson	She charges \$150 for each hour and a half lesson

- 3. Liam puts \$800 in a savings account at an annual interest rate of 2%. If Liam does not withdraw or deposit any money, what is the interest that Liam will earn at the end of six months?**
 - A. \$2**
 - B. \$4**
 - C. \$8**
 - D. \$16**

- 4. A soccer team won 11 games last year. This year they won 13 games. What was the percent increase in the number of games won?**
 - A. 2%**
 - B. 15.4%**
 - C. 18.2%**
 - D. 84.6%**

5. Brittany bought a dress that cost \$22.50. If the sales tax is 6.5%, how much tax did she pay?

- A. \$1.46
- B. \$1.47
- C. \$23.96
- D. \$23.97

6. Roy bought running shoes for \$44.98. If the sales tax is 7%, how much did he pay in total?

- A. \$3.14
- B. \$3.15
- C. \$48.12
- D. \$48.13