Lesson 4 Problem-Solving Practice

Percents Greater Than 100% and Percents Less Than 1%

1. **INTERNET** Kilroy's Web site business has increased every year for the last 3 years. Write the percent it increased during the second year as a decimal and as a fraction in lowest terms.

Year	Increase
First	148%
Second	115%
Third	186%

2. **BUSINESS** Jocelyn expects her new software company to increase its sales next year $2\frac{3}{4}$ times their present value. Write this increase as a percent.

3. **UTILITIES** City records showed that 0.8% of new homes had no access to electricity. Write this percent as a decimal and as a fraction in simplest form.

4. **PETS** Berto got a puppy 8 weeks ago. In this time, the puppy's weight increased 215%. Write this percent as a decimal and as a fraction.

5. **MANUFACTURING** The Quality Assurance department at a gear company found that there were 3 defective gears for every 500 produced. Write this as a fraction and as a percent.

6. **MEDICINE** Estelle's pharmacist said that the medicine Estelle was taking contained no more than $\frac{1}{500}$ gram of impurities per gram of total weight. Write this fraction as a percent.