Worksheet **4.2**

Percent Notation.

Give three kinds of notation for the percent given. See examples on pages 215-216 in text.

1. $16.2\,\%$

A) $\frac{16.2}{100}$; $16.2 \times \frac{1}{100}$; 16.2×0.01

B) $\frac{162}{100}$; $16 \times \frac{1}{100}$; 16×0.01

C) $\frac{16.2}{1000}$; $16.2 \times \frac{1}{1000}$; 16.2×0.001

D) $\frac{16.2}{100}$; $16.2 \times \frac{1}{10}$; 16.2×0.1

Find decimal notation. See examples on page 216 in text.

2. $700\,\%$

A) 7.01 B) 7 C) 70 D) 0.7

3. $0.1\,\%$

A) 0.002 B) 0.001 C) 0.1 D) 0.01

4. $95.7\,\%$

A) 0.847 B) 0.0957 C) 0.957 D) 9.57

Find decimal notation for the number in percent notation. See examples on page 217 in text.

5. At a certain company $48\,\%$ of the employees have engineering degrees.

A) 0.0480 B) 4.8 C) 0.48 D) 480

Find percent notation. See examples on pages 217-218 in text.

6. 0.228

A) 228 % B) 0.0228 % C) 22.8 % D) 0.228 %

7. 0.549

A) 0.549 % B) 0.0549 % C) 54.9 % D) 549 %

Find percent notation for the number in decimal notation. See examples on page 218 in text.

8. Sales this year were 5.8 times last year's sales.

A) 0.058 % B) 5.8 % C) 580 % D) 58 %

Divide without using a calculator. See examples on pages 163-164 in text.

9. $7.42 \div 7$

A) 2.06 B) 10.6 C) 1.06 D) 20.6

Multiply without using a calculator. See examples on pages 156-158 in text.

10. $54{,}915.674 \times 0.001$

A) 549,156.74 B) 54,915.674 C) 5,491,567.4 D) 54.915 674