7.1 The Meaning of Percent

Chapter 7: Percent

Name: _____ Date: _____ Class/Period: _____

Problem 7.1 Write 18% as a ratio per hundred.

Problem 7.2 Write 100% as a whole number.

Problem 7.3 Write 250% as a multiplier.

Problem 7.4 Write 0.4% as a fraction in simplest form.

Problem 7.5 A tank is 63% full. What percent is empty?

Problem 7.6 A survey has 72% yes responses. What percent are not yes?

Problem 7.7 Explain what 135% of last year's enrollment means.

Problem 7.8 Can 108% represent a probability? Explain.

Problem 7.9 Can 108% represent a price compared with last year's price? Explain.

Problem 7.10 Write a real context for 0.2%.

Problem 7.11 Write a real context for 300%.

Problem 7.12 Order 0.5%, 5%, and 50%.

Problem 7.13 In a bag, $16\frac{2}{3}\%$ of the jellybeans are red. Interpret this percent as a simple fraction and explain the meaning.

Problem 7.14 An athlete completed 120% of a planned training distance. Give two possible planned distances and corresponding completed distances.

Problem 7.15 A student says, "If 60% are blue and 55% are round, the data are impossible because the percents add to more than 100." Explain why the conclusion may be wrong.

Problem 7.16 Describe a situation in which 100% represents certainty and another in which it represents equality with a reference amount.