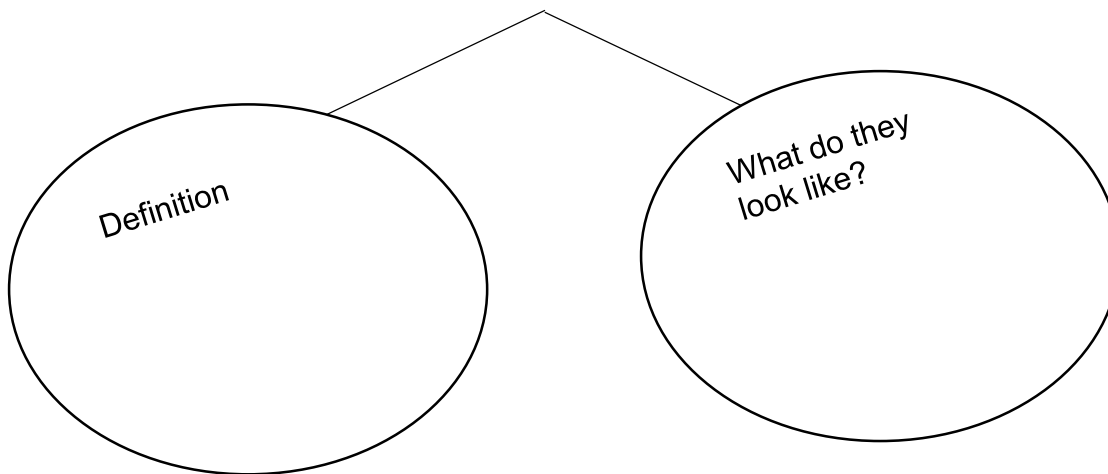


Algebra 1
Unit 2, Lesson 3 Notes
Ratios and Proportions

Essential Question:

Ratios

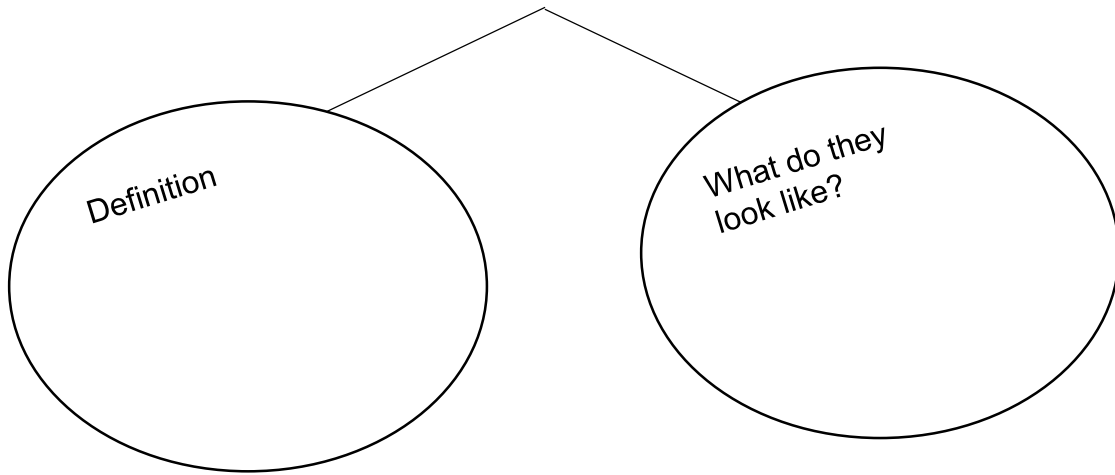


***Ratios should be written _____.

Examples:

- 1) Of the 30 champions of the National Spelling Bee from 1974 – 2003, 16 are boys. Find the ratio of the number of champions who are girls to the number who are boys.
- 2) In their first 134 games of the 2015 season, the Braves have only 54 wins. Find the ratio of the number of wins to the numbers of losses for the Braves.

Proportions



To solve proportions:

Examples:

1) $\frac{2}{5} = \frac{x}{3}$

2) $\frac{x}{9} = \frac{10}{18}$

3) $\frac{x}{60} = \frac{40}{50}$

4) A student can read 7 pages of a book in 10 minutes. How many pages of the book can the student read in 30 minutes?

5) Zoe can run 8 miles per hour. How many miles can she run in 20 minutes?