The Unit Organizer

Unit 8
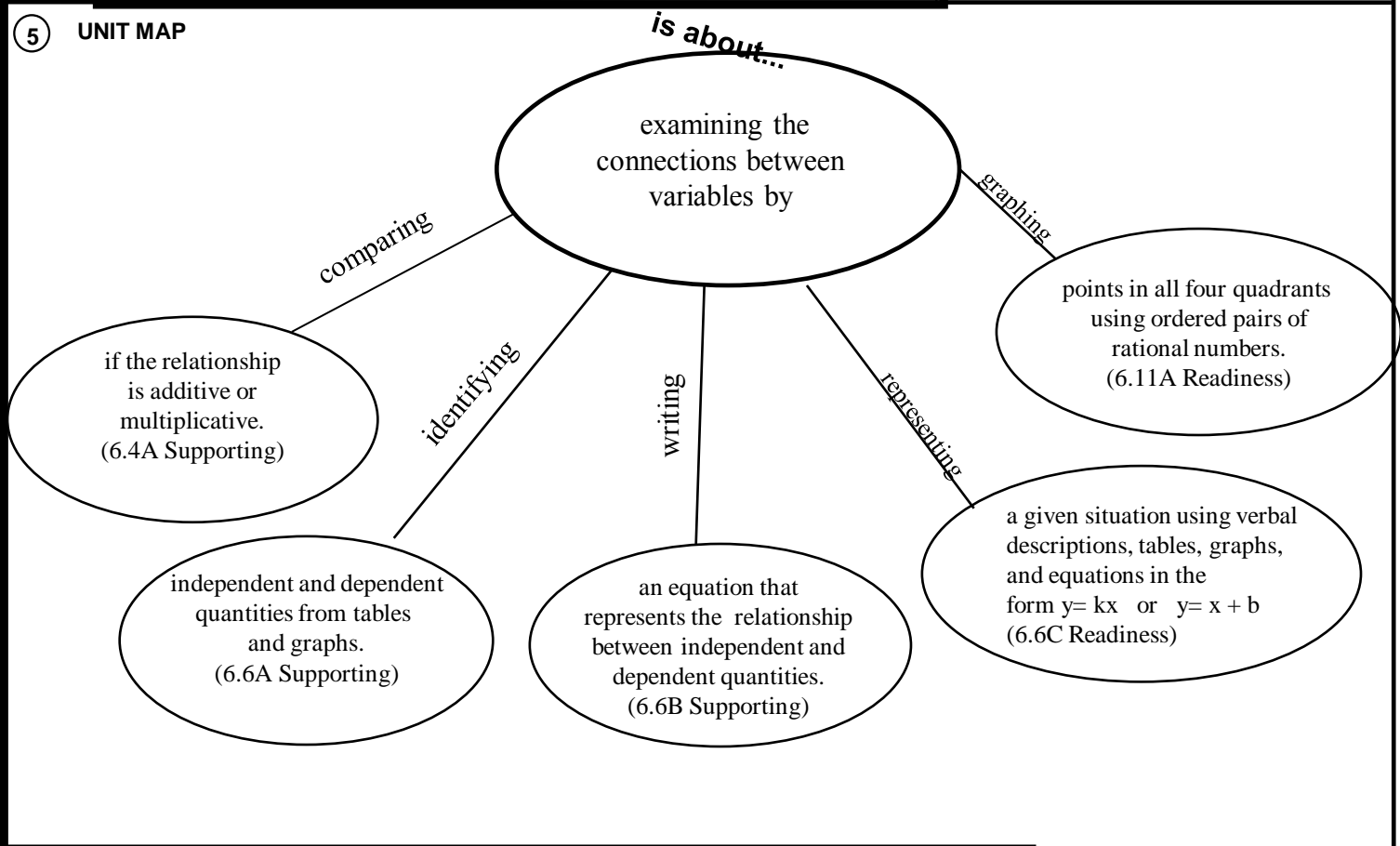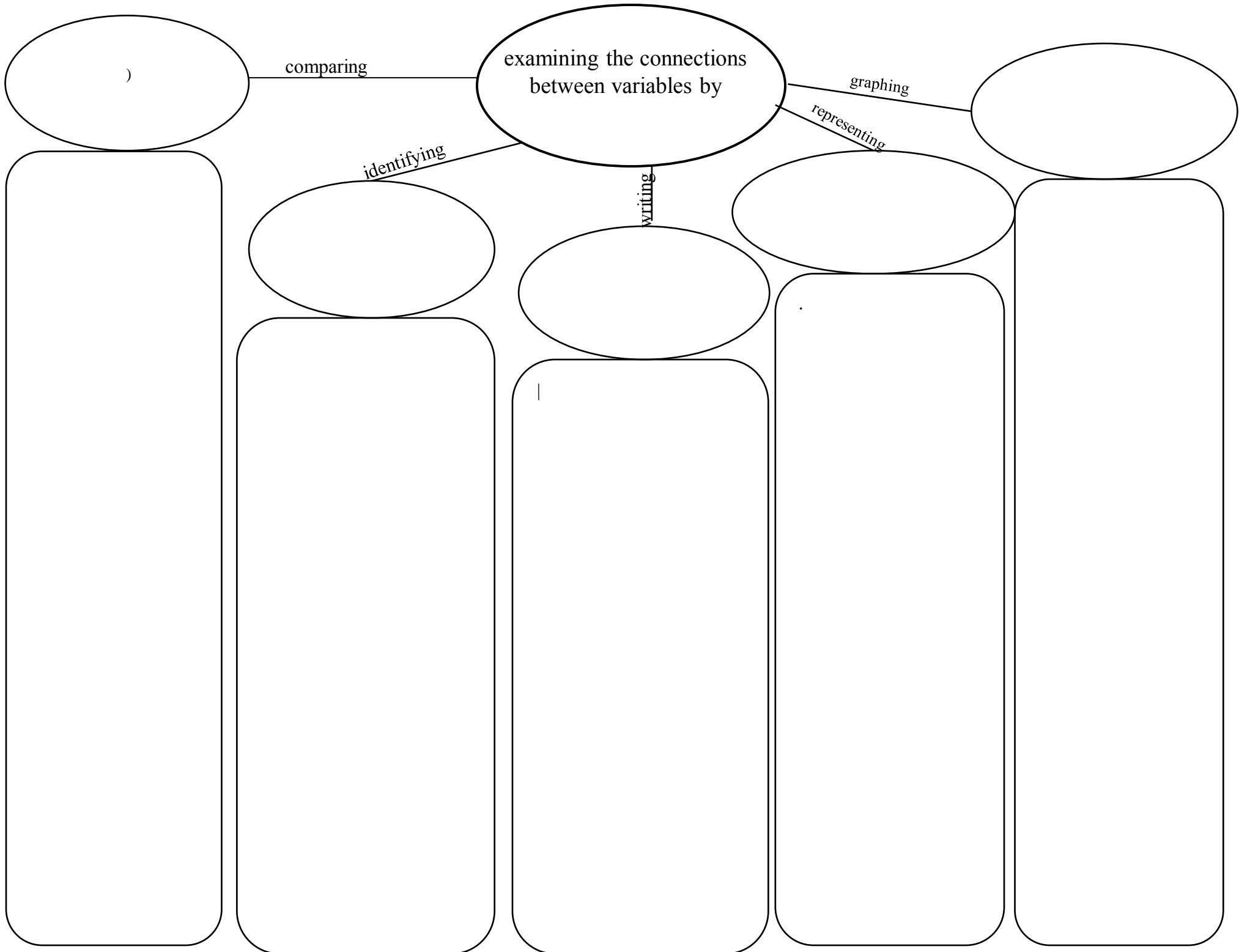
Using ratios and proportions, fractions, decimals, and how they relate to each other.

② LAST UNIT/Experience
Unit 7: One-Variable Inequalities

① CURRENT UNIT:
Unit 8: Algebraic Representations of Two-Variable Relationships

③ NEXT UNIT/Experience
Unit 9: Geometry and Measurement

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⑧ Unit Schedule

Date	Lesson	Grade

⑤ UNIT MAP

is about...

examining the connections between variables by

comparing → if the relationship is additive or multiplicative. (6.4A Supporting)

identifying → independent and dependent quantities from tables and graphs. (6.6A Supporting)

writing → an equation that represents the relationship between independent and dependent quantities. (6.6B Supporting)

representing → a given situation using verbal descriptions, tables, graphs, and equations in the form $y = kx$ or $y = x + b$ (6.6C Readiness)

graphing → points in all four quadrants using ordered pairs of rational numbers. (6.11A Readiness)

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⑦ UNIT SELF-TEST QUESTIONS

1. How can independent and dependent quantities be identified in graphs and in tables?
2. What is the relationship between an input-output table and independent and dependent quantities?
3. Why must the intervals and increments of the axes be considered when graphing ordered pairs on the coordinate plane?

⑥ UNIT RELATIONSHIPS

Comparing
Identifying
Writing
Representing
Graphing

examining the connections between variables by

comparing

graphing

identifying

representing

writing