The Unit Organizer - Unit 6

4 BIGGER PICTURE **Part 2**

NAME _____

DATE _____

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

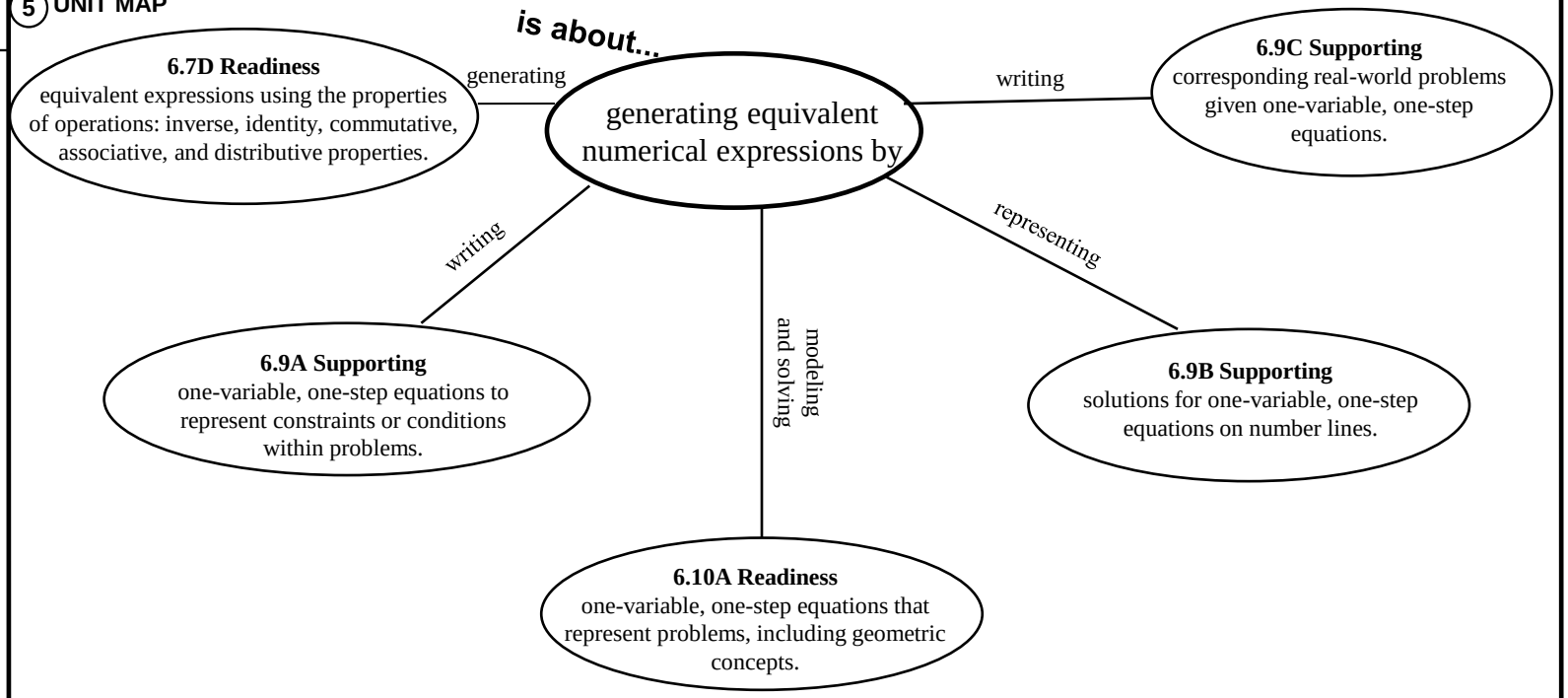
2 **LAST UNIT**
Proportional Reasoning

1 **CURRENT UNIT:**
Equivalent expressions and one-variable equations (13 days)

3 **NEXT UNIT**
One-Variable Inequalities 12 Days

8 **Unit Schedule**

5 **UNIT MAP**



Vocabulary:

Coefficient
Constant
Equation
Exponent
Expression
Order of Operations
Prime Factorization
Rational Numbers
Solution Set
Variable

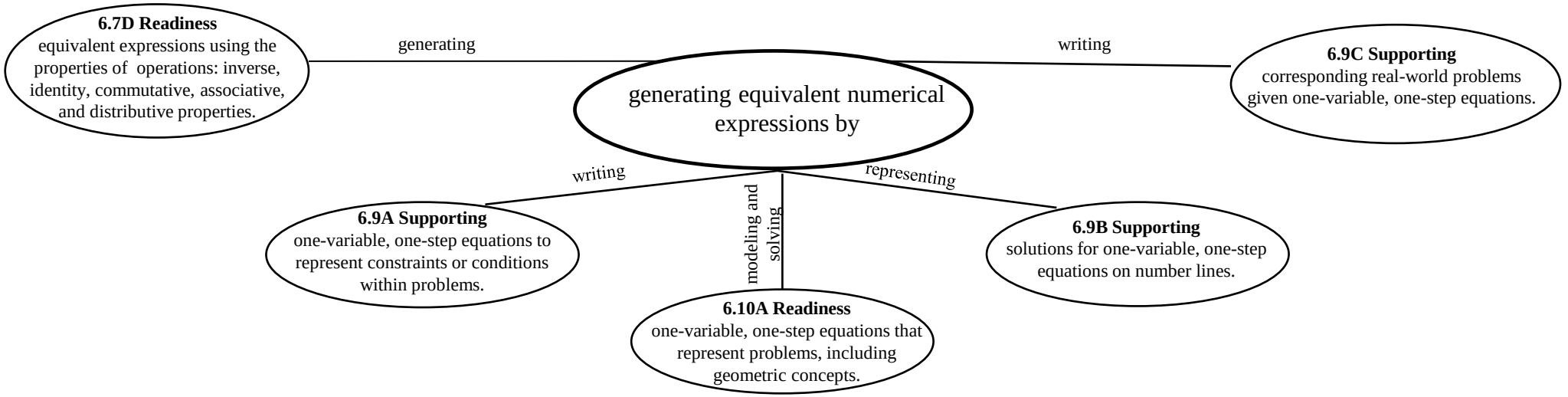
UNIT SELF-TEST QUESTIONS

7

1. What is the process for evaluating the equivalency of two expressions?
2. What type of plans and/or strategies can be used to solve problems?
3. How can solutions to problems be justified using concrete models, pictorial models, and algebraic representations?
4. How can the mathematical properties (inverse, identity, commutative, associative, distributive) be used to generate equivalent expressions?

6 **UNIT RELATIONSHIPS**

Generating
Determining
Distinguishing
Writing
Modeling
Solving


6.7D Readiness
equivalent expressions using the properties of operations: inverse, identity, commutative, associative, and distributive properties.
generating
generating equivalent numerical expressions by
writing
6.9C Supporting
corresponding real-world problems given one-variable, one-step equations.
writing
representing
6.9A Supporting
one-variable, one-step equations to represent constraints or conditions within problems.
modeling and solving
6.9B Supporting
solutions for one-variable, one-step equations on number lines.
6.10A Readiness
one-variable, one-step equations that represent problems, including geometric concepts.