The Unit Organizer – 6th Math Unit 3

NAME _____

DATE _____

4 BIGGER PICTURE

Using positive fractions and decimals in the real world

2 LAST UNIT /Experience

Ordering Fractions, Decimals, and Integers

1 CURRENT UNIT

Operations with positive fractions and decimals

3 NEXT UNIT /Experience

Operations with Integers

8 UNIT SCHEDULE

5 UNIT MAP

is about...

Understanding operations with positive rational numbers by

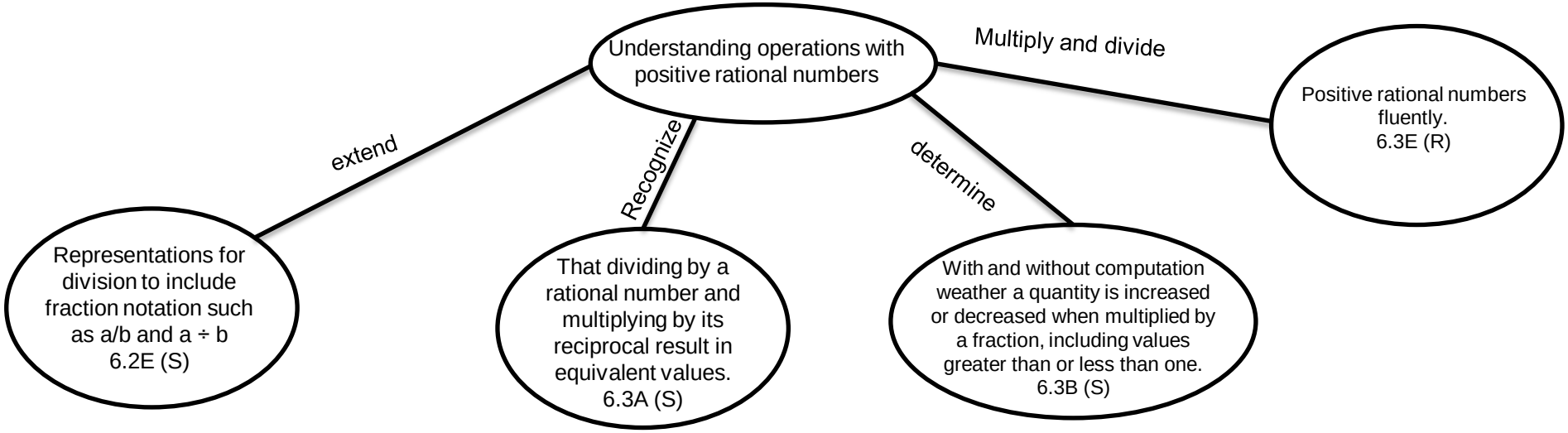
- extending → Representations for division to include fraction notation such as a/b and a ÷ b 6.2E (S)
- Recognizing → That dividing by a rational number and multiplying by its reciprocal result in equivalent values. 6.3A (S)
- determining → With and without computation whether a quantity is increased or decreased when multiplied by a fraction, including values greater than or less than one. 6.3B (S)
- Multiplying and dividing → Positive rational numbers fluently. 6.3E (R)

7 UNIT SELF-TEST QUESTIONS

1. How will knowing the process for representing division as “a/b” and “a divided by b” help you work with number relationships and other equivalent values?
2. Can you create a model that can show how dividing by a rational number and multiplying by its reciprocal will produce an equivalent value?
3. How can you tell that that a value will increase or decrease when you multiply by a value greater or less than one?
4. (Compare and Contrast) What is the difference in modeling the process when multiplying/dividing by a positive rational number.

6 UNIT RELATIONSHIPS

extend
recognize
determine
Multiply and divide


Understanding operations with positive rational numbers
extend
Recognize
determine
Multiply and divide
Representations for division to include fraction notation such as a/b and a ÷ b 6.2E (S)
That dividing by a rational number and multiplying by its reciprocal result in equivalent values. 6.3A (S)
With and without computation weather a quantity is increased or decreased when multiplied by a fraction, including values greater than or less than one. 6.3B (S)
Positive rational numbers fluently. 6.3E (R)