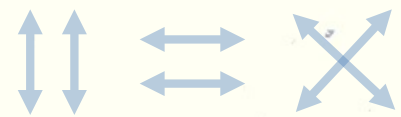
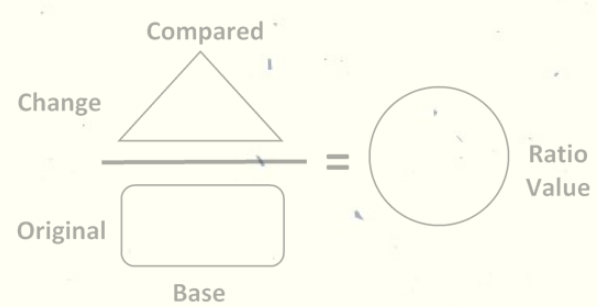


SOLVING RATIO, PROPORTION, & PERCENT PROBLEMS USING

SCHEMA-BASED INSTRUCTION



TEACHER'S GUIDE



$$\frac{\times}{50} = \frac{65}{100}$$



$$a + b =$$

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UNIVERSITY OF MINNESOTA

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SCHEMA BASED INSTRUCTION (SBI) CURRICULUM

SCOPE AND SEQUENCE

LESSON	CONTENT	SCHEDULE
UNIT 1: RATIOS AND PROPORTIONS		
1 & 2	Ratios	3 days
3 & 4	Solving Ratio Word Problems: Part-to-Part and Part-to-Whole Comparisons	3 days
5	Rates (Quiz over Lessons 1-4)	1 day
6 & 7	Solving Proportion Problems	3 days
8 & 9	Scale Drawing Problems (Quiz at end of Lesson 9 over Lessons 1-7)	3 days
10	Unit 1 Review	1 day

UNIT 2: PERCENTS		
11	Fractions, Percents, & Decimals	3 days
12	Solving Percent Problems: Part-to-Whole Comparisons	
13 & 14	Solving Percent Problems: Percent of Change	3 days
15	Solving Sales Tax & Tips Problems: Percent of Change (Quiz over Lessons 11-14)	3 days
16	Solving Markup & Discount Problems: Percent of Change	
17	Solving Multistep Percentage Adjustment Problems	3 days
18	Solving Simple Interest Problems	
19	Review: Identifying and Categorizing Problem types (Ratio, Proportion, and Percent)	1 day
20	Unit 2 Review	1 day
21	Units 1 & 2 Review	1 day

Total 29 days

Note. Schedule is based on 45-60 minute class period.