

The TEKS Process skills (8.14 through 8.16) are integrated into all lessons

It will be impossible to “review” for TAKS due to the nature and volume of the TEKS.
Teachers must spiral review on a daily basis throughout the course of the year.

Resources

| Days | TAKS Objective | TEKS: Student Expectation | Instructional Considerations | Glencoe Course 3 | Performance Assessments | Additional Resources |
|------|----------------|---|---|------------------|-------------------------|---|
| 5 | 1 2 | 8.2A Select and use appropriate operations to solve problems and justify the selections 8.2B use appropriate operations to solve problems involving rational numbers in problem situations; 8.5A predict, find, and justify solutions to application problems using appropriate tables, graphs, | <ul style="list-style-type: none"> These are 7th grade TEKS. The <u>only</u> integer problems in the text that match the TEKS are the application (word problems). Include additional word problems in each lesson. The majority of the student work should be solving application problems, and justifying solutions (orally and in writing). | 2-5,2-7,2-8 | Short Cut | Clarifying Activity 8.1A, 8.2A , 8.2B, 8.5A |
| 3 | 1 2 | 8.2A Select and use appropriate operations to solve problems and justify the selections 8.2B use appropriate operations to solve problems involving rational numbers in problem situations; 8.5A predict, find, and justify solutions to application problems using appropriate tables, graphs, | <ul style="list-style-type: none"> Clarifying Activity 8.2A, 8.2B, 8.5A Students must be able to write and solve equations from problem situations, and justify their solutions (orally and in writing). The textbook does not provide enough practice with word problems and selecting the appropriate operation The student must be able to draw pictorial representations of equations, and justify solutions orally, pictorially, and in writing. | 2-9A, 2-9 | | Supplement with additional word problems |
| 2 | | Review and Test | | | | |
| 2 | | 8.1B Select and use appropriate forms of rational numbers to <u>solve real-life problems</u> including those involving proportional relationships 8.2A Select and use appropriate operations to solve problems and justify the selections; 8.2B use appropriate operations to solve problems involving rational numbers in problem situations; | <ul style="list-style-type: none"> Review all operations with decimals. This is a review only and students should be able to function at the mastery level. The text does not have a sufficient amount of practice problems involving real-world applications. Teachers must supplement all sections in order to meet the intent of the TEKS. The 8th grade curriculum is a pre-algebra curriculum. Special attention must be given to the consistent review of 1st 6 weeks topics throughout the school year. | 6-4,6-5 | | Clarifying Activity: 8.1B, 8.2A, 8.2B Supplement 6-5 |

| | | | | | | |
|---|---------|--|---|--|--------------|---|
| 7 | | <p>8.1A Compare and order rational numbers in various forms including integers, percents, and positive and negative fractions and decimals</p> <p>8.2B use appropriate operations to solve problems involving rational numbers in problem situations;</p> <p>8.2C Evaluate a solution for reasonableness;</p> <p>8.3A Compare and contrast proportional and non-proportional relationships</p> | <ul style="list-style-type: none"> Students learned how to add and subtract fractions in 6th grade, and how to multiply and divide fractions in 7th grade. The emphasis should be on applying these skills to signed numbers within <u>problem situations</u>. The textbook has adequate practice with computation. However, TAKS problems will focus on problem situations (to match the intent of the TEKS), and the text lacks sufficient real-world problems. These sections must be supplemented accordingly. Evaluating for reasonableness should be an ongoing process whenever problem solving is taught. | 6-8 7-1 7-2 7-3 7-4 7-8 | Baby Sitting | Supplement Clarifying Activity 8.1A, 8.2B, 8.2C, 8.3A |
| 6 | 1, 2 | <p>8.1B Select and use appropriate forms of rational numbers to <u>solve real-life problems</u> including those involving proportional relationships</p> <p>8.2D use multiplication by a constant factor (unit rate) to represent proportional relationships.</p> <p>8.3A Compare and contrast proportional and non-proportional relationships</p> <p>8.3B Estimate and find solutions to <u>application problems</u> involving percents and other proportional relationships such as similarity and rates</p> <p>8.14A identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics;</p> <p>8.14B use a problem-solving model that incorporates understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness;</p> <p>8.14C select or develop an appropriate problem-solving strategy from a variety of different types, including drawing a picture, looking for a pattern, systematic guessing and checking, acting it out, making a table, working a</p> | <ul style="list-style-type: none"> Fifth and sixth graders generated equivalent forms of rational numbers. Seventh graders concerted between fractions, decimals, whole numbers, and percents. Students must be able to build tables of values to represent given situations, and determine whether the relationships form constant ratios. Students must be able to determine a rule to describe the relationship between x and y. Students must be able to graph relationships to determine if a straight line is formed, and passes through the origin. Although 8th grade students have not formally studied slope, asking students to write ratios of the y-values compared to the corresponding x-values can create initial understanding of slope. If the ratios are equal, we know there is a constant rate of change. This occurs only when relationships are proportional. Students must be able to solve application problems rather than solve problems without a context. The text must be supplemented with real-life problems in order to meet the intent of the TEKS. Topics include: compare and contrast proportional relationships, estimating percents, using proportions in application problems, using percent equations in application problems, using indirect measurement to solve application and scale drawing problems. | 3-2 3-3 3-4 8-1 | | Clarifying Activity, 8.1B, 8.3A, 8.3B <i>TEXTTEAMS:</i> <i>What Does It Cost?</i> |

| | | | | | | |
|---|--|--|--|--|--|--|
| | | simpler problem, or working backwards to solve a problem; and 8.14D select tools such as real objects, manipulatives, paper/pencil, and technology or techniques such as mental math, estimation, and number sense to solve problems. | | | | |
| 3 | | Review & 6 Weeks Test | | | | |