

IRVING INDEPENDENT SCHOOL DISTRICT
Mathematics Instructional Guide - Grade 8 (6th GT)
2nd Six Weeks

Revised 4/2003

LEARNING OBJECTIVE Statement of TEKS	TEKS #	TAKS Objective	S TEXTBOOK Resources listed are found in Curriculum Notebook. **Other	ASSESSMENT Connection TAKS 2003
1. Select and use appropriate forms of rational numbers to solve real-life problems including those involving proportional relationships. <i>(Change fractions to decimals and percents, & vice versa.)</i>	8.1B	1	3-4	
2. Estimate and find solutions to application problems involving percents and proportional relationships such as similarity and rates. <i>(Solve problems involving percent.)</i>	8.3B	2	3-5 3-6	
3. Select the appropriate measure of central tendency (<i>mean, median, mode, or range</i>) to describe a set of data for a particular purpose.	8.12A	5	4-4	
4. Construct circle graphs, bar graphs, and histograms [with and] without technology. Generate a different representation given one representation of data (table, graph, equation, or verbal description). Estimate, find, and justify solutions to application problems using appropriate tables, graphs, and algebraic equations.	8.12C 8.4A 8.5A	5 2 2	4-1, 4-2, 4-3	
5. Draw conclusions and make predictions by analyzing trends in scatterplots.	8.12B	5	4-6	
6. Recognize misuses of graphical or numerical information and evaluate predictions and conclusions based on data analysis. <i>(Use multiple representations of data.)</i>	8.13B	5	4-7, 4-8	
7. Compare and order rational numbers in various forms including integers, percents, and positive and negative fractions and decimals.	8.1A	1	6-4, 6-5, 6-8	
8. Express numbers in scientific notation, including negative exponents, in appropriate problem situations.	8.1D	1	6-9	
9. Select and use appropriate operations to solve problems and justify the selections. Add, subtract, multiply, and divide rational numbers in a problem situation. Evaluate a solution for reasonableness.	8.2A 8.2B 8.2C	1	7-1, 7-2, 7-3, 7-8	

The TEKS found in Strand: Underlying Processes and Mathematical Tools - 8.14 A,B,C,D ; 8.15 A,B and 8.16 A,B – are not to be taught or tested in isolation; they are to be integrated throughout the content objectives as an ongoing process. (TAKS Objective 6)

Σ Glencoe Mathematics, Applications & Connections, Course 3

ΣΣ Other Resources in district: Exemplars Activities found on District Intranet; TEXTEAMS Activities; Region 10 WebCCAT Internet TEKS Assessment Question Bank; Middle School w/ Pizzazz notebooks; Understanding Math Software

Also available resources at www.utdanacenter.org/ssj