

Side-by-Side TEKS Comparison Highlights Grade 5

The 2012 TEKS are the student expectations adopted in 2012 and will be implemented in the 2014-2015 school year.

Supporting Information includes the following:

- Clarification on mathematics vocabulary
- Clarification on added specificity
- Clarification on current TEKS that have been joined, separated, or subsumed within the 2012 TEKS
- Clarification on the intent of the TEKS
- Information about movement to another grade level
- Information about connections with the process standards

Student expectations that are leaving the grade level are in pink and are indicated by a – in the first column.

Student expectations that are new to the grade level are in blue and are indicated by a + in the first column.

Grade 5 – Mathematics

Current TEKS – Number, Operation, and Quantitative Reasoning Strand	Revised TEKS (2012)	Supporting Information
<p>– 5.2C Number, operation, and quantitative reasoning. The student uses fractions in problem-solving situations. The student is expected to compare two fractional quantities in problem-solving situations using a variety of methods, including common denominators.</p>		This SE has moved to Grade 4. <i>Number and operations</i> 4.3D
<p>– 5.2D Number, operation, and quantitative reasoning. The student uses fractions in problem-solving situations. The student is expected to use models to relate decimals to fractions that name tenths, hundredths, and thousandths.</p>		This SE has moved to Grade 4. <i>Number and operations</i> 4.2G
<p>●+ 5.3A Number, operation, and quantitative reasoning. The student adds, subtracts, multiplies, and divides to solve meaningful problems. The student is expected to use addition and subtraction to solve problems involving whole numbers and decimals.</p>	<p>5.3K Number and Operations. The student applies mathematical process standards to develop and use strategies and methods for positive rational number computations in order to solve problems with efficiency and accuracy. The student is expected to add and subtract positive rational numbers fluently.</p>	<p>The addition and subtraction of positive rational numbers includes the addition and subtraction of whole numbers and decimals. When paired with Revised SE (2012) Revised SE (2012) 5.1A, students are still expected to solve problems. The Revised TEKS (2012) extends to include the addition and subtraction of fractions. The word "fluently" as been added. Procedural fluency refers to knowledge of procedures, knowledge of when and how to use them appropriately, and skill in performing them flexibly, accurately, and efficiently (National Research Council, 2001, p. 121)</p>
<p>●+ 5.3B Number, operation, and quantitative reasoning. The student adds, subtracts, multiplies, and divides to solve meaningful problems. The student is expected to use multiplication to solve problems involving whole numbers (no more than three digits times two digits without technology).</p>	<p>5.3B Number and Operations. The student applies mathematical process standards to develop and use strategies and methods for positive rational number computations in order to solve problems with efficiency and accuracy. The student is expected to multiply with fluency a three-digit number by a two-digit number using the standard algorithm.</p>	<p>The introductory paragraph (a)(3) communicates: Students in Grade 5 are expected to perform their work without the use of calculators. When paired with Revised SE (2012) 5.1A, students are still expected to solve problems. Greater specificity has been provided with the inclusion of the phrase, "using the standard algorithm." Work with the standard algorithm builds on the work from Grade 4 with mental math, partial products, and the commutative, associative, and distributive properties for Revised SE (2012) 4.4D. The phrase "with fluency" has been added. Procedural fluency refers to knowledge of procedures, knowledge of when and how to use them appropriately, and skill in performing them flexibly, accurately, and efficiently (National Research Council, 2001, p. 121)</p>

Page | 5 Content that is deleted by 2012 TEKS Content that remains or is clarified in 2012 TEKS (Stay) (Stay) (Addition ●+) (Deletion ●) Content that is new in 2012 TEKS

A legend for the colors and symbols is found on the bottom of each page. The symbols aid in reading the document should it be printed in black and white.

Student expectations that remain in the grade level are in green and are indicated by a circle in the first column.

- Content that stays in the grade level is indicated by the symbol ●.
- Content that remains with an addition is indicated by the symbol ●+.
- Content that remains with a deletion is indicated by the symbol ●.