

*Great Source Education*

# **Math In Focus**

**Grade 5**

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correlated to

**Mississippi Mathematics Framework  
Grade 5**

## **Explanation Of Correlation**

The following document is a correlation of **Great Source Education, *Math in Focus*** to the Mississippi Mathematics Framework. The format of this correlation follows the same basic format established by the Mathematics Framework, modified to accommodate the addition of page references. The correlation provides a cross-reference between the skills in the Mathematics Framework and representative page numbers where those skills are taught or assessed.

The references contained in this correlation reflect Great Source Education's interpretation of the Mathematic objectives outlined in the Mississippi Mathematics Framework.

## **Key to References**

TE-A *Teacher's Edition A*

TE-B *Teacher's Edition B*

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correlated to the

**Mississippi Mathematics Framework (2007)**  
**Grade 5**

Standard	Descriptor	Page Citations
<b>Standard 1</b>	<b>Number and Operations</b>	
<b>Competencies and Objectives</b>		
<b>1. Analyze relationships among numbers and the four basic operations, compute fluently, and make reasonable estimates.</b>		
a.	Compare and order integers, decimals to the nearest thousandths, like and unlike fractions, and mixed numbers using $>$ , $<$ , and $=$ . (DOK 1)	<b>TE-A:</b> 2, 4, 20-24, 24A, 36, 38-39 <b>TE-B:</b> 3, 6, 18-22, 22A, 27-28, 88-89, 91, 93, 118B
b.	Compose and decompose seven-digit numbers and decimals through thousandths in word, standard, and expanded forms. (DOK 1)	<b>TE-A:</b> 2-4, 5-15, 15A-15B, 16-19, 19A, <b>TE-B:</b> 3, 5, 6, 7-17, 17A, 138
c.	Identify factors and multiples of whole numbers. (DOK 1)	<b>TE-A:</b> 51-54, 56-59, 63, 70-72, 74-77, 81
d.	Model and distinguish between prime and composite numbers. (DOK 1)	<b>TE-A:</b> 117, 120, 121

Standard	Descriptor	Page Citations
e.	Model and identify equivalent fractions including conversion of improper fractions to mixed numbers and vice versa. (DOK 1)	<b>TE-A:</b> 117, 121, 122, 127-128, 158
f.	Add, subtract, multiply, and divide (with and without remainders) using nonnegative rational numbers. (DOK 1)	<b>TE-A:</b> 41-63, 63A-63B, 64-69, 69A-69B, 70-81, 81A, 82-89, 89A, 96-102, 102A-102B, 103-108, 108A-108B, 109, 109A, 115-121, 122-126, 126A-126B, 127-130, 130A, 131-136, 136A, 140-144, 144A, 145-149, 149A, 150-153, 153A-153B, 154-155, 155A, 156-157, 161-164, 165-168, 168A, 169-173, 173A, 175-176, 176A, 177-180, 180A, 181-184, 184A, 185-189, 189A, 190-198, 198A, 199, 199A
g.	Estimate sums, differences, products, and quotients of non-negative rational numbers to include strategies such as front-end rounding, benchmark numbers, compatible numbers, and rounding. (DOK 2)	<b>TE-A:</b> 3-4, 25-35, 35A-35C, 37, 39, 43-44, 46, 61-63, 63B, 65, 67-69, 69A-69B, 79-81, 81B, 83-85, 89-89A, 98, 110-113, 124-126, 126A, 129-130, 130A, 142-144, 144A, 147-149, 149A, 156, 158-159  <b>TE-B:</b> 35, 68-74, 74A, 82-83

Standard	Descriptor	Page Citations
Standard 2	Algebra	
<b>Competencies and Objectives</b>		
<b>2. Explain and analyze number relationships and functions using algebraic symbols, and demonstrate an understanding of the properties of the basic operations.</b>		
a.	Determine the value of variables in equations and inequalities, justifying the process.	<b>TE-A:</b> 208-218, 218A-218B, 226-235, 235A, 236-240, 240A-240B
b.	Devise a rule for an input/output function table, describing it in words and symbols. (DOK 2)	<b>TE-A:</b> 204
c.	Apply the properties of basic operations to solve problems: (DOK 2)	
•	Zero property of multiplication	<b>TE-A:</b> 205
•	Commutative properties of addition and multiplication	<b>TE-A:</b> 205
•	Associative properties of addition and multiplication	<b>TE-A:</b> 205
•	Distributive properties of multiplication over addition and subtraction	<b>TE-A:</b> 205
•	Identity properties of addition and multiplication	<b>TE-A:</b> 166, 205
d.	Apply inverse operations of addition/subtraction and multiplication/division to problem-solving situations. (DOK 2)	<b>TE-A:</b> 206-207, 231-234, 238-239, 243

Standard	Descriptor	Page Citations
<b>Standard 3</b>	<b>Geometry</b>	
<b>Competencies and Objectives</b>		
<b>3. Develop mathematical arguments about geometric relationships and describe spatial relationships using coordinate geometry.</b>		
a.	Analyze and describe the characteristics of symmetry relative to classes of polygons (parallelograms, triangles, etc.). (DOK 2)	Symmetry is addressed in Grade 4: <b>TE-B:</b> 194-217
b.	Explain the relationships between coordinates in each quadrant of the coordinate plane. (DOK 2)	This objective can be developed from lessons on Quadrant I: <b>TE-B:</b> 131-138, 138A
c.	Describe the characteristics, including the relationship of the pre-image and the image, of each type of transformation (rotations [turns], reflections [flips], and translations [slides]) of two-dimensional figures. (DOK 2)	Transformations are addressed in Grade 4: <b>TE-B:</b> 203-217, 217A, 221-227, 227A, 228-235, 235A-235C
d.	Construct and analyze two- and three-dimensional shapes to solve problems involving congruence and symmetry. (DOK 3)	<b>TE-B:</b> 231, 237 Symmetry is addressed in Grade 4: <b>TE-B:</b> 194-217
e.	Label ordered pairs in the coordinate plane. (DOK 1)	<b>TE-B:</b> 131-138, 138A

Standard	Descriptor	Page Citations
<b>Standard 4</b>	<b>Measurement</b>	
<b>Competencies and Objectives</b>		
<b>4. Develop concepts and apply appropriate tools and techniques to determine units of measure.</b>		
a.	Estimate and measure length to nearest millimeter in the metric system and one sixteenth inch in the English system. (DOK 2)	Measurement to the nearest ½ inch is addressed in Grade 3: <b>TE-B:</b> 171-175, 185A
b.	Convert units within a given measurement system to include length, weight/mass, and volume. (DOK 1)	<b>TE-B:</b> 134, 153A, 228B, 290-296, 297A-297C, 301-302
c.	Develop, compare, and use formulas to estimate and calculate the perimeter and area of rectangles, triangles, and parallelograms. (DOK 2)	<b>TE-A:</b> 248, 256-259, 263 <b>TE-B:</b> 205-206, 213-214
d.	Select and apply appropriate units for measuring length, mass, volume, and temperature in the standard (English and metric) systems. (DOK 1)	<b>TE-B:</b> 134, 153A, 228B, 290-296, 297A-297C, 301-302
<b>Standard 5</b>	<b>Data Analysis and Probability</b>	
<b>Competencies and Objectives</b>		
<b>5. Interpret and analyze data and make predictions.</b>		
a.	Use the mean, median, mode, and range to analyze a data set. (DOK 2)	<b>TE-B:</b> 121
b.	Compare data and interpret quantities represented on tables and graphs, including line graphs, stem-and-leaf plots, histograms, and box-and-whisker plots to make predictions, and solve problems based on the Information. (DOK 2)	<b>TE-B:</b> 120-123, 124-130, 131-138, 138A