

Great Source Education

Math to Know

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correlated to

**Mississippi Mathematics Framework
Grade 3**

Explanation Of Correlation

The following document is a correlation of **Great Source Education, *Math to Know*** 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

SE *Student's Edition*

Great Source Education
***Math to Know* © 2006**
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Mississippi Mathematics Framework (2007)
Grade 3

Standard	Descriptor	Page Citations
Number and Operations		
1. Understand and represent number relationships among numbers and the four basic operations. Compute fluently and make reasonable estimates.		
a.	Compose and decompose four-digit whole numbers with representations in words, physical models, and expanded and standard forms. (DOK 1)	SE: 6-7 Resource Book: 10
b.	Compare and order four-digit numbers using $<$, $>$, and $=$, and justify reasoning. (DOK 2)	SE: 13, 15 Resource Book: 11 Practice Book A: 6-7, 13, 15, 60, 63, 66, 78 Practice Book B: 15, 64
c.	Estimate sums and differences of whole numbers to include strategies such as rounding. (DOK 2)	SE: 132-135 Resource Book: 72 Practice Book A: 84-87, 97 Practice Book B: 84-85, 95, 99
d.	Identify and model representations of fractions (halves, thirds, fourths, fifths, sixths, and eighths). (DOK 1)	SE: 210-213 Resource Book: 106 Practice Book A: 83 Practice Book B: 5, 11, 13, 40

Standard	Descriptor	Page Citations
e.	Add (up to three addends) and subtract four-digit whole numbers with and without regrouping. (DOK 1)	SE: 167 Resource Book: 83 Practice Book A: 58 Practice Book B: 45, 65
f.	Model multiplication using arrays, equal-sized groups, area models, and equal-sized moves on the number line. (DOK 2)	SE: 64-65 Resource Book: 33 Practice Book A: 41-42, 45, 59, 94 Practice Book B: 10, 41
g.	Model division with successive or repeated subtraction, partitioning, and sharing. (DOK 2)	SE: 78-79, 85 Practice Book A: 46, 56, 61 Practice Book B: 42

Standard	Descriptor	Page Citations
Algebra		
2. Explain, analyze, and generate patterns, relationships, and functions using algebraic symbols.		
a.	Create, describe, and extend growing and repeating patterns with physical materials and symbols including numbers. (DOK 2)	SE: 90, 118 Resource Book: 56-57, 66
b.	Determine the value of missing quantities or variables within equations or number sentences, and justify the process used. (DOK 2)	SE: 255-257 Resource Book: 134-135
c.	Use real number properties to develop multiple algorithms and to solve problems. (DOK 2)	
•	Associative property of addition	SE: 242 Resource Book: 125-126
•	Commutative property of addition	SE: 241 Resource Book: 125
•	Identity property of addition	SE: 246 Resource Book: 126-127
d.	Model and identify the inverse relationships of addition/subtraction. (DOK 2)	SE: 49 Resource Book: 28
e.	Create models for the concept of equality, recognizing that the equal sign (=) denotes equivalent terms such that $4 + 3 = 7$, $4 + 3 = 6 + 1$ or $7 = 5 + 2$. (DOK 1)	SE: 36 Resource Book: 24-25 Practice Book B: 15

Standard	Descriptor	Page Citations
Geometry		
3. Describe, compare, and contrast two- and three-dimensional shapes and relationships.		
a.	Describe, compare, analyze, and classify two dimensional shapes by sides and angles. (DOK 1)	SE: 310-316 Resource Book: 170-171 Practice Book A: 12
b.	Explain and describe the process of decomposing, composing, and transforming polygons. (DOK 2)	SE: 318-319 Resource Book: 174 Practice Book A: 69
c.	Create three-dimensional shapes (prisms and pyramids) from two-dimensional nets, and create two-dimensional nets from prisms and pyramids. (DOK 2)	SE: 330 Resource Book: 181
Measurement		
4. Measure and explain the measurable attributes of objects, units, systems, and processes.		
a.	Develop and use methods to find perimeter of polygons and to solve problems involving perimeter. (DOK 2)	SE: 348-349 Resource Book: 194 Practice Book A: 40, 43 Practice Book B: 11, 13, 94
b.	Estimate and measure length using fractional parts to the nearest $\frac{1}{2}$ inch in the English system. (DOK 2)	<i>Opportunity to Address:</i> SE: 346 Resource Book: 190
c.	Measure capacity, weight/mass, and length in both English and metric systems of measurement. (DOK 1)	SE: 346-347, 356-357, 358-359 Resource Book: 190-191, 199, 202 Practice Book A: 11 Practice Book B: 12

Standard	Descriptor	Page Citations
Data Analysis & Probability		
5. Interpret and analyze data. Explore basic concepts of probability.		
a.	Compare data and interpret quantities represented on tables and different types of graphs (line plots, pictographs, and bar graphs), make predictions, and solve problems based on the information. (DOK 3)	SE: 270-273 Resource Book: 151-153 Practice Book A: 22-23, 26-27, 62, 66, 76-77 Practice Book B: 23-29, 48
b.	Analyze, predict, and model the number of different combinations of two or more objects and relate to multiplication. (DOK 2)	SE: 298-299 Resource Book: 161