

**Mathematics Content: Number Sense / Properties / Relationships**

**Michigan**

**Reading Fine Grain Tile Charts**

**Percentage of Overall Mathematics Instructional Time**

= Not Covered  
 = < 0.5%  
 = < 1.0%  
 = < 1.5%  
 = >= 1.5%

Show Data Tables

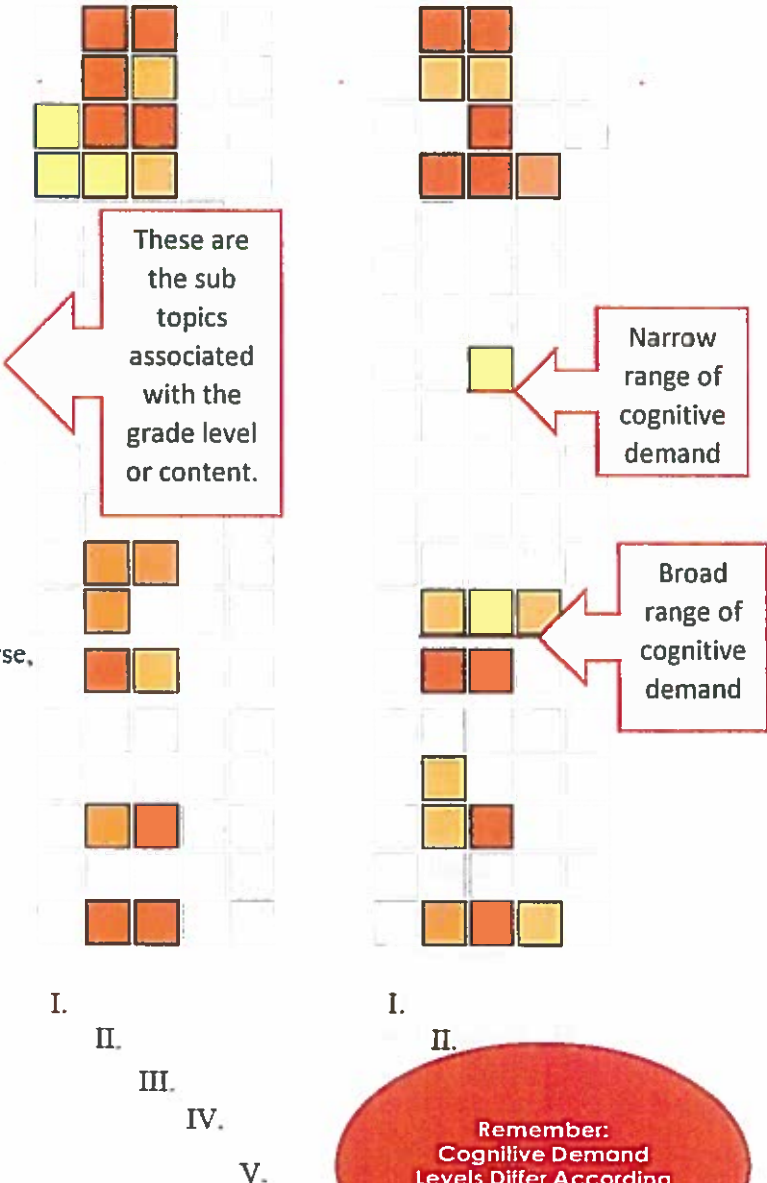
The shading indicates the amount of instructional time devoted to the topic in a school year.

Alignment Overall: 0.373  
Alignment Re-centered: 0.4164

Instruction Year: 2015  
 Sample Selection: CCSS Gr. 2  
 Report By: All Data  
 2015  
 CCSS Gr. 3  
 All Data  
 Update

The top portion indicates the grade level or content.

- Count: 1
- Place value
  - Whole numbers and Integers
  - Operations
  - Fractions
  - Decimals
  - Percents
  - Ratio and proportion
  - Patterns
  - Real and/or Rational numbers
  - Exponents and scientific notation
  - Factors, multiples, and divisibility
  - Odd/even/prime/composite/square numbers
  - Estimation
  - Number Comparisons (order, magnitude, relative size, inverse, opposites, equivalent forms, scale or number line)
  - Order of operations
  - Computational Algorithms
  - Relationships between operations
  - Number Theory (e.g., base-ten and non-base-ten systems)
  - Mathematical properties (e.g., distributive property)
  - Student Expectations
    - I. Memorize Facts, Definitions, Formulas
    - II. Perform Procedures
    - III. Demonstrate Understanding
    - IV. Conjecture, Analyze, Generalize, Prove
    - V. Solve Non-Routine Problems/Make Connections



**Remember:**  
Cognitive Demand Levels Differ According to Content Area

# Mathematics Content

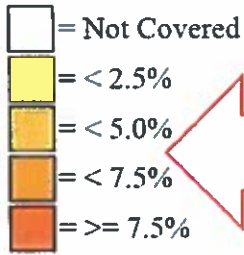
Michigan

## Reading Coarse Grain Tile Charts

### Percentage of Overall Mathematics Instructional Time

Alignment Overall: 0.373

Coarse Grain Alignment: 0.6677



The shading indicates the amount of instructional time devoted to the topic in a school year.

Year: 2015  
 Content: CCSS Gr. 2  
 By: All Data  
 Update

The top portion indicates the grade level or content.

Show Data Tables

- Number Sense / Properties / Relationships
- Operations
- Measurement
- Consumer Applications
- Basic Algebra
- Advanced Algebra
- Geometric Concepts
- Advanced Geometry
- Data Displays
- Statistics
- Probability
- Analysis
- Trigonometry
- Special Topics
- Functions
- Instructional Technology

These are the main topics associated with the grade level or content.



Broad range of cognitive demand

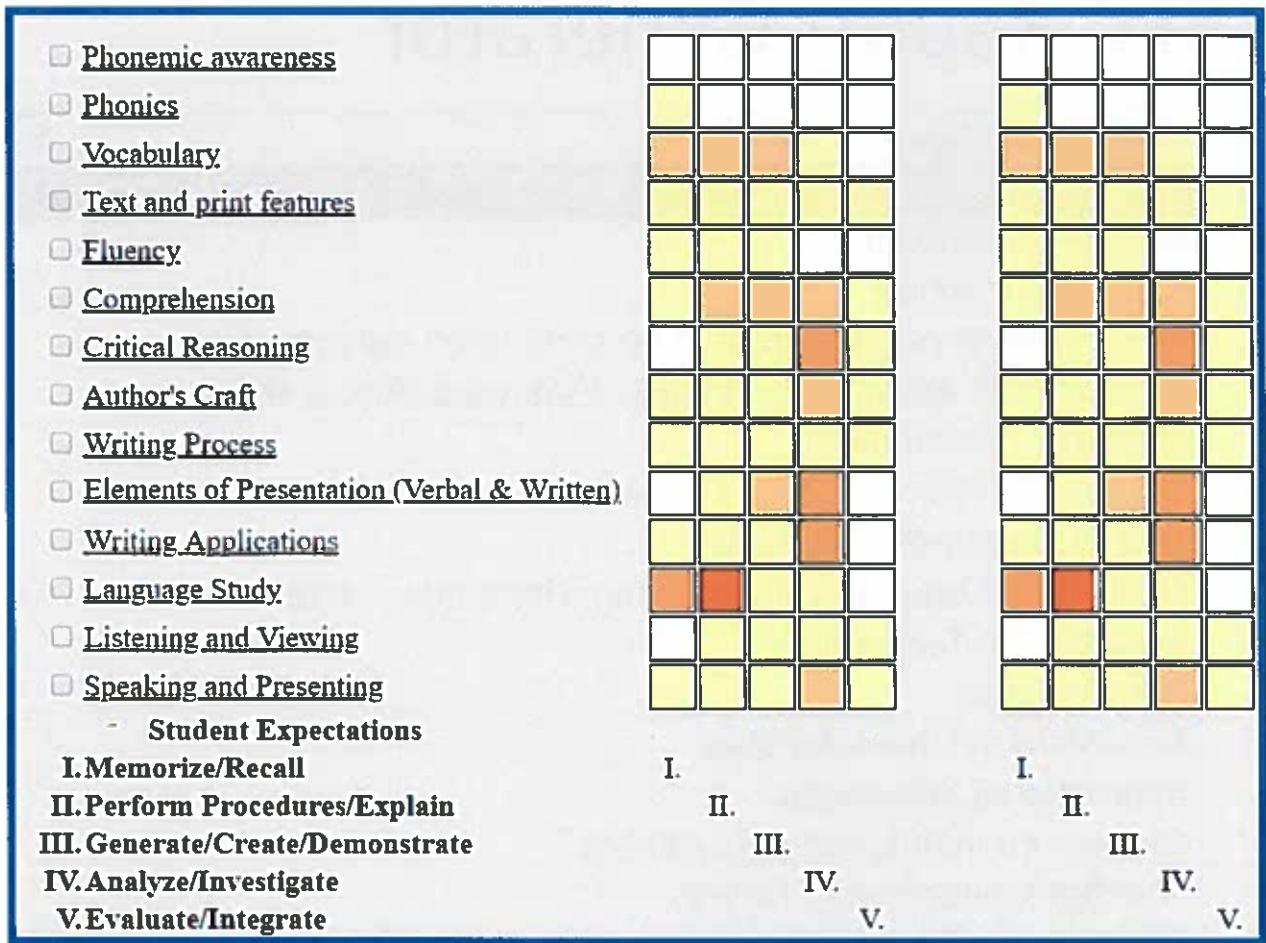
- Student Expectations
- I. Memorize Facts, Definitions, Formulas
  - II. Perform Procedures
  - III. Demonstrate Understanding
  - IV. Conjecture, Analyze, Generalize, Prove
  - V. Solve Non-Routine Problems/Make Connections

I.  
II.  
III.  
IV.  
V.

I.  
II.  
III.  
IV.  
V.

Each column indicates the Cognitive Demand associated with the topic.

# Third Grade ELA CCSS Tile Chart



Notes:

# SEC Report Generator

Select chart type	▼
<b>Select chart type</b>	
School Description	
Class Description	
Homework (work assigned to be completed outside of class)	
Instructional Activities in English, Language Arts & Reading	
Working Individually	
Working in Pairs or Small Groups	
Use of Hands-on Materials	
Collecting, Organizing, Displaying, Presenting Data	
Educational Technology	
Assessments	
Assessment Characteristics	
Instructional Influences	
Classroom Instructional Readiness	
Teacher Opinions and Beliefs	
Professional Development in English, Language Arts, or Reading	
Teacher Characteristics	
Formal Course Preparation	
Literature	
Instructional Content	