

GRADE 5

CRITICAL AREAS OF FOCUS

1. Developing fluency with addition and subtraction of fractions and developing understanding of the multiplication of fractions and of division of fractions in limited cases (unit fractions divided by whole numbers and whole numbers divided by unit fractions)
2. Extending division to a 2-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations
3. Developing understanding of volume
4. Modeling numerical relationships with the coordinate plane
5. Classifying two-dimensional figures by properties.

OVERVIEW

Operations and Algebraic Thinking

- Write and interpret numerical expressions.
- Analyze patterns and relationships.

Number and Operations in Base Ten

- Understand the place value system.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.

Number and Operations-Fractions

- Use equivalent fractions as a strategy to add and subtract fractions. (Fractions need not be simplified).
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions. (Fractions need not be simplified.)

Measurement and Data

- Convert like measurements units within a given measurement system.
- Represent and interpret data.
- Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.

Geometry

- Graph points on the coordinate plane to solve real-world and mathematical problems.
- Classify two-dimensional figures not categories based on their properties.

GRADE LEVEL FLUENCY

Fluently multiply multi-digit whole numbers using a standard algorithm.

$$\begin{array}{r}
 327 \\
 \times 53 \\
 \hline
 981 \quad \leftarrow 327 \times 3 \\
 16350 \quad \leftarrow 327 \times 50 \\
 \hline
 17331
 \end{array}$$