



Reinforcing Math Skills

SUMMER GUIDANCE: STRIVING FOR 5TH
GRADE SUCCESS

Objectives/Schedule

Review the 5th grade scope and sequence

- Focus on beginning of the year

Go over math skills for Summer review

Resources

Q and A

5th Grade Math Overview

Year-at-a-Glance

Instructional Window 1

- Unit 1.1: Expanding Understanding of Place Value and Decimals
- Unit 1.2: Comparing and Rounding Decimals

Instructional Window 2

- Unit 2.1: Adding and Subtracting Decimals
- Unit 2.2: Developing Multiplication and Division Strategies

Instructional Window 3

- Unit 3.1: Solving Problems including Volume
- Unit 3.1: Using Equivalency to Add and Subtract Fractions

Instructional Window 4

- Unit 4.1: Understanding the Concept of Multiplying Fractions by Fractions
- Unit 4.2: Developing the Concept of Dividing Unit Fractions

Instructional Window 5

- Unit 5.1: Classifying Two Dimensional Geometric Figures
- Unit 5.2: Exploring the Coordinate Plane
- Unit 5.3: Representing Algebraic Thinking

Grade 5 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.
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

MEASUREMENT AND DATA

- Convert like measurement 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 into categories based on their properties.

KEY: ■ Major Clusters | □ Supporting Clusters | ○ Additional Clusters

***Math Skills:
Summer Focus
Review***

- **Multiplication
and Division**
- **Fractions**
- **Geometry-
shapes and
attributes**

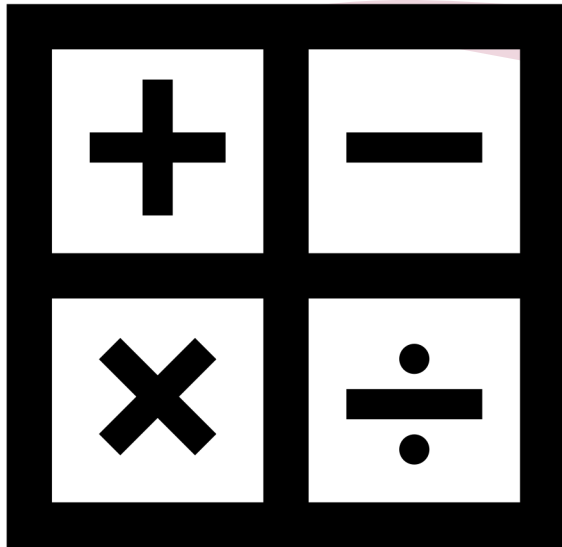


Multiplication and Division

- **Multiplication fluency:** know times tables up to 12
 - Standard Algorithm: 2 digit by 1 digit

***fluency- 2 digit by 2 digit**

- **Division:** 3-4 digit divided by 1 divisor
 - Standard algorithm
 - Place value chart



Fractions:

modules 5 and 6



Equivalent fractions

Review multiples and factors



Comparing fractions

Strategy: number line



Decimal Fractions

Tenths and hundredths

Geometry



Angle measurement:
acute, obtuse, right

2-D shapes

Quadrilaterals: rhombus, trapezoid,
rectangle, square

Attributes

Using angles and lines to describe shapes
Parallel and perpendicular



Resources

- KHAN ACADEMY
- FIRST IN MATH
- EUREKA WEBSITE- GREATMINDS.ORG
- ST MATH
- XTRAMATH.ORG- FLUENCY
- FLASHCARDS
- SMARTPHONE APPS
- BRAINPOP
- STUDYJAMS-
[HTTP://STUDYJAMS.SCHOLASTIC.COM/STUDYJAMS/JAMS/MATH/INDEX.HTM](http://studyjams.scholastic.com/studyjams/jams/math/index.htm)

Measurement: Conversions Resource

Measurement Conversion Chart

LENGTH

Metric

1 kilometer = 1,000 meters
1 meter = 100 centimeters
1 meter = 1,000 millimeters
1 centimeter = 10 millimeters

Customary

1 mile = 5,280 feet
1 mile = 1,760 yards
1 yard = 3 feet
1 foot = 12 inches

CAPACITY

Metric

1 liter = 1,000 milliliters

Customary

1 gallon = 4 quarts
1 quart = 2 pints
1 pint = 2 cups
1 cup = 8 fluid ounces

MASS AND WEIGHT

Metric

1 kilogram = 1,000 grams
1 gram = 1,000 milligrams

Customary

1 ton = 2,000 pounds
1 pound = 16 ounces

TIME

1 year = 365 days
1 year = 52 weeks
1 year = 12 months
1 week = 7 days
1 day = 24 hours
1 hour = 60 minutes
1 minute = 60 seconds



Online Games

- [HTTPS://WWW.ABCYA.COM/](https://www.abcya.com/)
- [HTTPS://WWW.MATHPLAYGROUND.COM/](https://www.mathplayground.com/)
- [HTTPS://WWW.HOODAMATH.COM/](https://www.hoodamath.com/)
- [HTTPS://WWW.MATHGAMES.COM/](https://www.mathgames.com/)
- [HTTPS://WWW.FUNBRAIN.COM/MATH-ZONE](https://www.funbrain.com/math-zone)

Q and A

