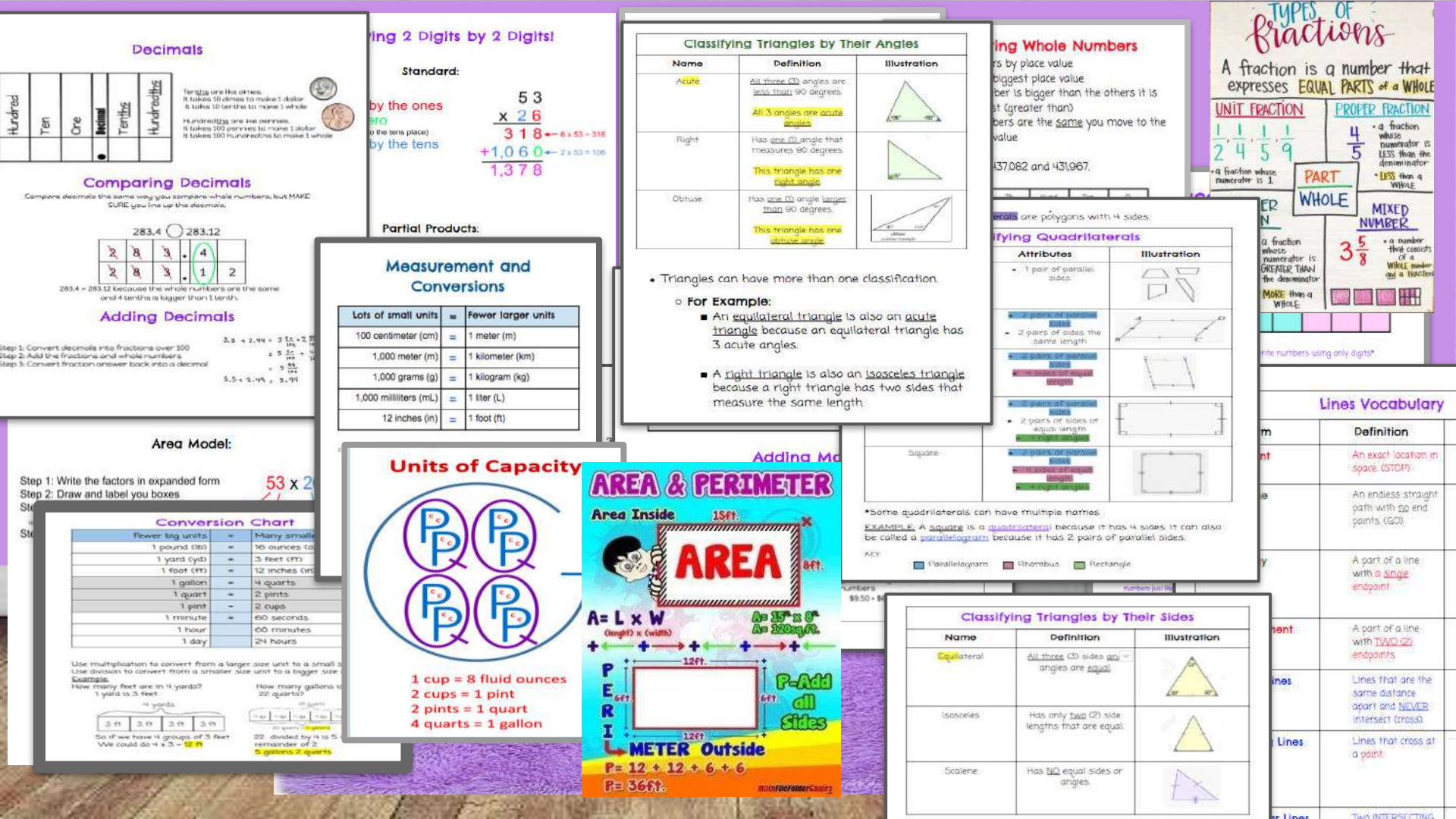

RULES!
Respect is shown to all.
Everyone raises their hand to talk and when help is needed.
Soft voices and appropriate language is used.
Participation is expected of all, students and teachers.
Everyone comes to class prepared.
Class begins on time; so be on time.
Teachers directions are followed the first time.
C Conversation
H Help
A Activity
M Movement
P Participation
S
Standards for Mathematical Practice
CUBES
Circle key: numbers & units
What do I know?
Underline the question
What am I being asked to solve?
Box math "action" words
Am I going to add, subtract, multiply or divide?
Evaluate and eliminate
What steps do I need?
What information don't I need?
Show your work and check
Does my answer make sense?
How can I check it?
CLASSROOM AWARD
Can you explain what you meant by
NEVER Give UP!
MATH RULES
Today's Objectives
I can recognize the x-axis and the y-axis.
Math
Absent Folder
Happy Birthday!
Math Word Wall
IXL Math
math Antics
KEEP CALM AND ROCK THE MATH EOG
Eureka Math
Yahtzee
Connect 4
Trouble
Twister
Candyland
Monopoly
The World Needs More PURPLE PEOPLE
BLACK LIVES MATTER


Decimals
Hundred
Ten
One
Decimal
Tenths
Hundredths
Tenths are like dimes.
It takes 10 dimes to make 1 dollar
It takes 10 tenths to make 1 whole
Hundredths are like pennies.
It takes 100 pennies to make 1 dollar
It takes 100 hundredths to make 1 whole
Comparing Decimals
Compare decimals the same way you compare whole numbers, but MAKE SURE you line up the decimals.
283.4 ◯ 283.12
283.4 = 283.12 because the whole numbers are the same and 4 tenths is bigger than 1 tenth.
Adding Decimals
Step 1: Convert decimals into fractions over 100
Step 2: Add the fractions and whole numbers
Step 3: Convert fraction answer back into a decimal
ing 2 Digits by 2 Digits!
Standard:
by the ones
by the tens
53
x 26
318
+1,060
1,378
Partial Products:
Measurement and Conversions
Lots of small units = Fewer larger units
100 centimeter (cm) = 1 meter (m)
1,000 meter (m) = 1 kilometer (km)
1,000 grams (g) = 1 kilogram (kg)
1,000 milliliters (mL) = 1 liter (L)
12 inches (in) = 1 foot (ft)
Area Model:
Step 1: Write the factors in expanded form
Step 2: Draw and label you boxes
Conversion Chart
Fewer big units = Many small
1 pound (lb) = 16 ounces
1 yard (yd) = 3 feet (ft)
1 foot (ft) = 12 inches (in)
1 gallon = 4 quarts
1 quart = 2 pints
1 pint = 2 cups
1 minute = 60 seconds
1 hour = 60 minutes
1 day = 24 hours
Use multiplication to convert from a larger size unit to a small
Use division to convert from a smaller size unit to a bigger size
Example:
How many feet are in 4 yards?
1 yard is 3 feet
4 yards
So if we have 4 groups of 3 feet
We could do 4 x 3 = 12 ft
How many gallons
22 quarts?
22 divided by 4 is 5
remainder of 2
5 gallons 2 quarts
Units of Capacity
1 cup = 8 fluid ounces
2 cups = 1 pint
2 pints = 1 quart
4 quarts = 1 gallon
Classifying Triangles by Their Angles
Name
Definition
Illustration
Acute
All three (3) angles are less than 90 degrees.
All 3 angles are acute angles
Right
Has one (1) angle that measures 90 degrees.
This triangle has one right angle
Obtuse
Has one (1) angle larger than 90 degrees.
This triangle has one obtuse angle
Triangles can have more than one classification.
For Example:
An equilateral triangle is also an acute triangle because an equilateral triangle has 3 acute angles.
A right triangle is also an isosceles triangle because a right triangle has two sides that measure the same length.
ing Whole Numbers
rs by place value
biggest place value
ber is bigger than the others it is
st (greater than)
bers are the same you move to the
value
437,082 and 431,967.
erals are polygons with 4 sides.
ifying Quadrilaterals
Attributes
Illustration
1 pair of parallel sides
2 pairs of parallel sides
2 pairs of sides the same length
2 pairs of parallel sides
4 sides of equal length
2 pairs of parallel sides
2 pairs of sides of equal length
4 right angles
Square
2 pairs of parallel sides
4 sides of equal length
4 right angles
*Some quadrilaterals can have multiple names.
EXAMPLE: A square is a quadrilateral because it has 4 sides. It can also be called a parallelogram because it has 2 pairs of parallel sides.
KEY
Parallelogram
Rhombus
Rectangle
AREA & PERIMETER
Area Inside
15ft.
AREA
8ft.
A= L x W
(length) x (width)
A= 15ft x 8ft
A= 120sq.ft.
12ft.
6ft.
6ft.
12ft.
PERIMETER Outside
P= 12 + 12 + 6 + 6
P= 36ft.
P-Add all Sides
MathFileFolderGames
Classifying Triangles by Their Sides
Name
Definition
Illustration
Equilateral
All three (3) sides are equal
angles are equal
Isosceles
Has only two (2) side lengths that are equal
Scalene
Has NO equal sides or angles
TYPES OF fractions
A fraction is a number that expresses EQUAL PARTS of a WHOLE
UNIT FRACTION
1/2 1/4 1/5 1/9
a fraction whose numerator is 1
PROPER FRACTION
4/5
a fraction whose numerator is LESS than the denominator
LESS than a WHOLE
PART
WHOLE
MIXED NUMBER
3 5/8
a number that consists of a WHOLE number and a fraction
a fraction whose numerator is GREATER THAN the denominator
MORE than a WHOLE
rite numbers using only digits*
Lines Vocabulary
Definition
An exact location in space. (STOP)
An endless straight path with no end points. (GO)
A part of a line with a single endpoint
A part of a line with TWO (2) endpoints
Lines that are the same distance apart and NEVER intersect (cross).
Lines
Lines that cross at a point
TWO INTERSECTING


MATH
Mistakes
Allow
Thinking to
Happen!
KHAN
ACADEMY
IXL
Math
VOCABULARY
Cards
Click on a math object around the classroom to play some fun math games and other fun surprises!

Lesson 5

Objective: Name decimal fractions in expanded, unit, and word forms by applying place value reasoning.

Links

Grade 5 Module 1 Lesson 5

Lesson 6

Objective: Compare decimal fractions to the thousandths using like units and express comparisons with >, <, =.

Links

Grade 5 Module 1 Lesson 6

Topic B-
Decimal Fractions and Place Value Patterns

Topic C-
Place Value and Rounding Decimal Fractions

Focus Standards:

NC.5.NBT.3

NC.5.NBT.4

Lesson 7

Objective: Round a given decimal to any place using place value understanding and the vertical number line.

Links

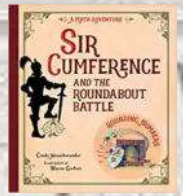
Grade 5 Module 1 Lesson 7

Lesson 8

Objective: Round a given decimal to any place using place value understanding and the vertical number line.

Links

Grade 5 Module 1 Lesson 8



Lesson 9

Objective: Add decimals using place value strategies and relate those strategies to a written method.

Links

Grade 5 Module 1 Lesson 9

Lesson 10

Objective: Subtract decimals using place value strategies and relate those strategies to a written method.

Links

Grade 5 Module 1 Lesson 10

Topic D-
Adding and Subtracting Decimals

Topic E-
Multiplying Decimals

Focus Standards:

NC.5.NBT.2

NC.5.NBT.3

NC.5.NBT.7

Lesson 11

Objective: Multiply a decimal fraction by single-digit whole numbers, relate to a written method through application of the area model and place value understanding, and explain the reasoning used.

Links

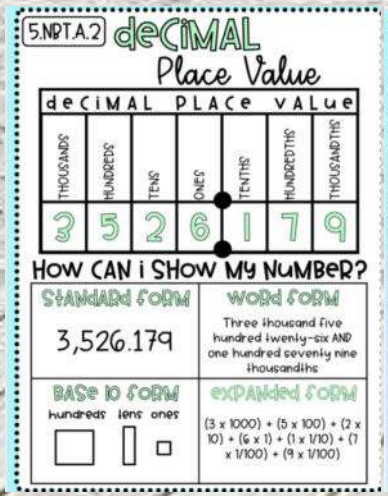
Grade 5 Module 1 Lesson 11

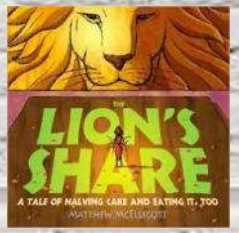
Lesson 12

Objective: Multiply a decimal fraction by single-digit whole numbers, including using estimation to confirm the placement of the decimal point.

Links

Grade 5 Module 1 Lesson 12





Lesson 13

Objective: Divide decimals by single-digit whole numbers involving easily identifiable multiples using place value understanding and

Links

Grade 5 Module 1 Lesson 13

Lesson 14

Objective: Divide decimals with a remainder using place value understanding and relate to a written method.

Links

Grade 5 Module 1 Lesson 14

Topic F- Dividing Decimals

Focus Standards:

NC.5.NBT.3

NC.5.NBT.7

Lesson 15

Objective: Divide decimals using place value understanding, including remainders in the smallest unit.

Links

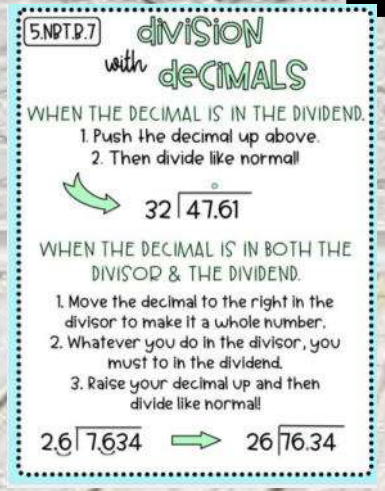
Grade 5 Module 1 Lesson 15

Lesson 16

Objective: Solve word problems using decimal operations.

Links

Grade 5 Module 1 Lesson 16



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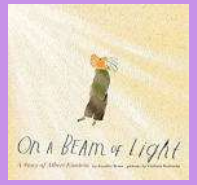
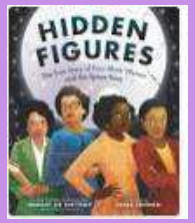
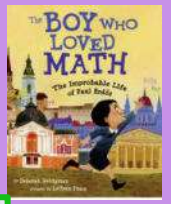
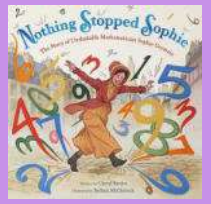
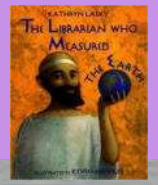
SOLVE PROBLEMS
ANALYZE DATA
EXPLAIN THEIR THINKING
CHECK THEIR WORK
PERSEVERE
MAKE MODELS
USE APPROPRIATE TOOLS
THINK ABSTRACTLY
MAKE CONNECTIONS
ATTEND TO PRECISION
THINK CRITICALLY
FIND PATTERNS
APPLY PRIOR KNOWLEDGE
ESTIMATE

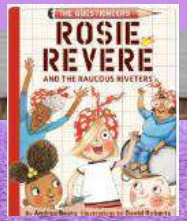


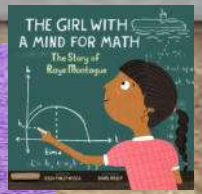


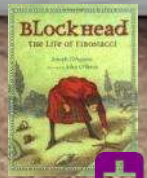












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EXTRA FUN and also math in the holidays