
Welcome to our class
HOME Sweet CLASSROOM
Fourth Grade Math
Resource Room
WHEN YOU ENTER THIS
CLASSROOM
YOU ARE KIND YOU ARE IMPORTANT
YOU ARE RESPECTED YOU ARE WONDERFUL
YOU ARE SMART YOU ARE BRAVE
YOU ARE SPECIAL
YOU ARE UNDERSTOOD
YOU ARE SUPER
My Students
DICTIONARY

Virtual Math Manipulatives

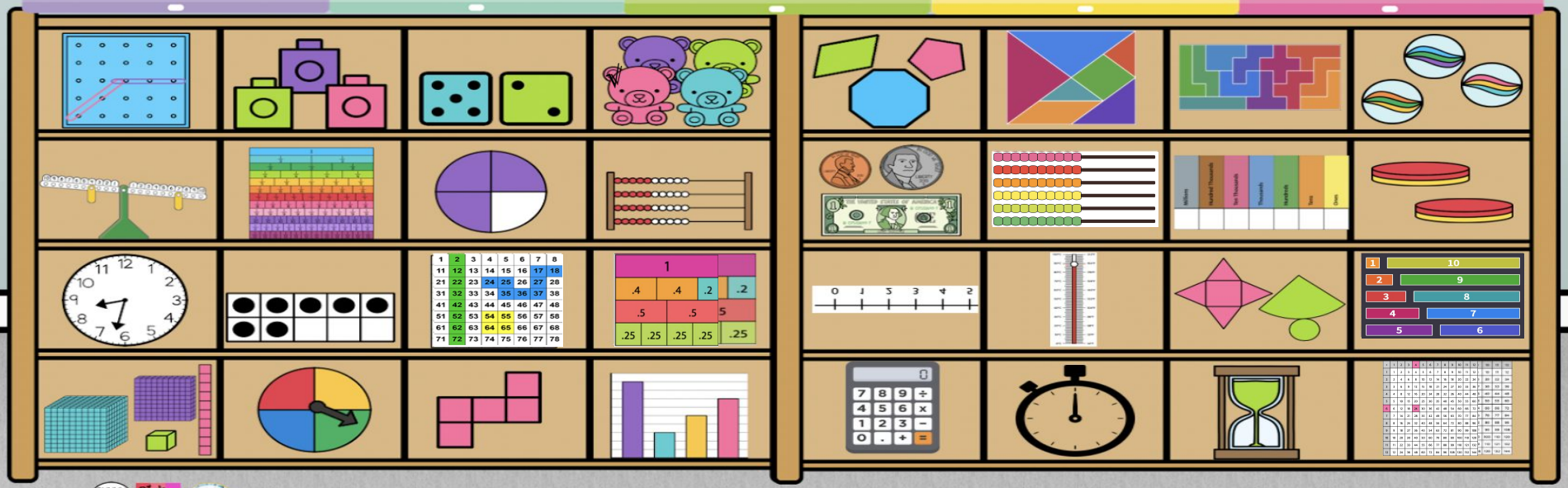
TOY THEATER

MATH LEARNING CENTER

MATHIGON'S POLYPAD

MATH PLAYGROUND

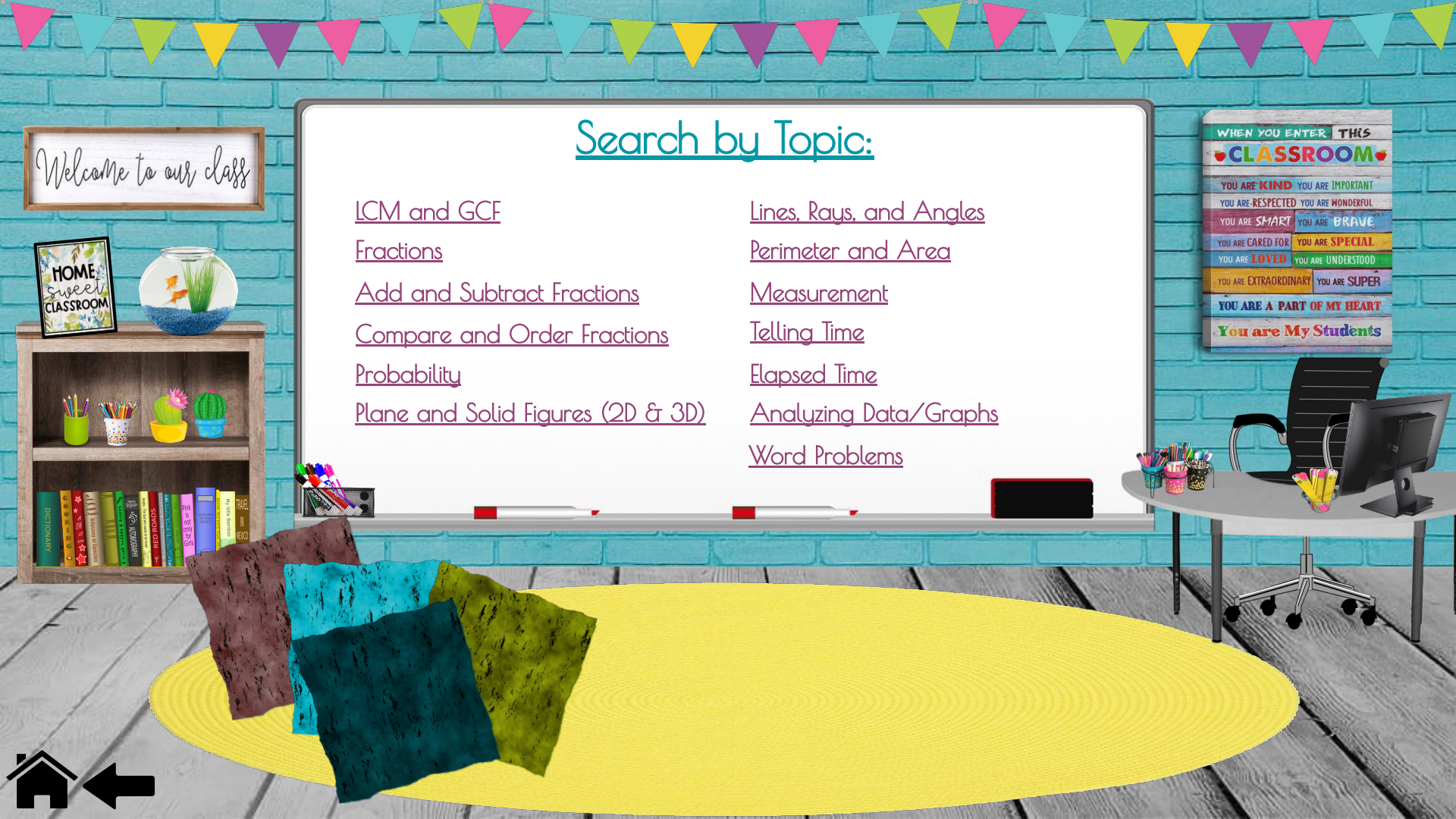
DIDAX



CLIPART:

Search by Topic:

- Multiplication Facts
- Patterns
- Place Value - Whole Numbers
- Place Value - Decimals
- Rounding
- Equality
- Compare and Order
- Add and Subtract Whole Numbers
- Add and Subtract Decimals
- Estimation with Rounding
- 2x1 & 2x2 Multiplication
- Long Division

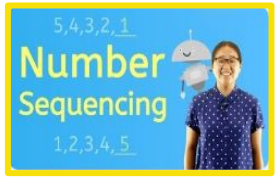


Search by Topic:


classkick
Multiplication Facts
Multiplication Mash Up
7:27
Multiplication Trick
9 x 4 = ?
Multiplication Table
The Multiplication Song
Multiplication
Multiplication Facts in 10 Days
CLEAR IT! MULTIPLICATION
100 seconds
Start
CannonBall

classkick

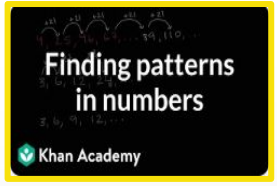
Patterns

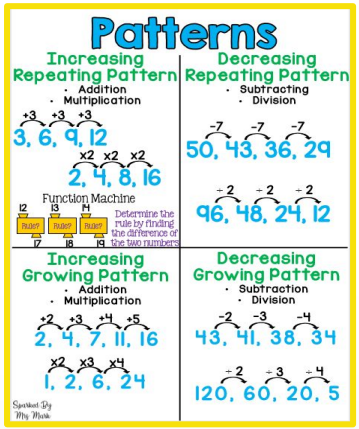


Patterns and Equations

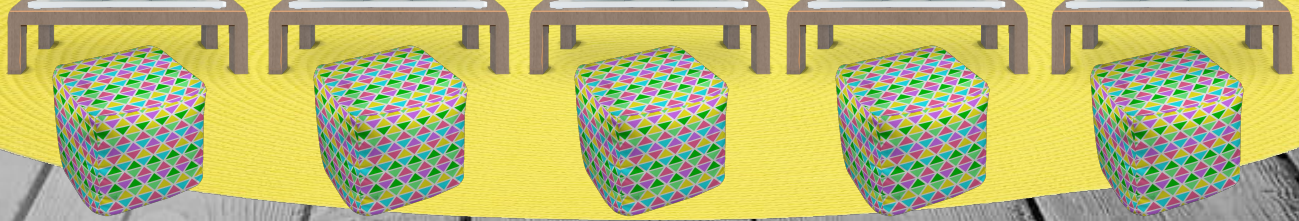
Finding the Rules for Patterns

1	2	5	6	8
3	6	15	18	24





PATTERNS are everywhere




PLACE VALUE
MILLIONS
THOUSANDS
UNIT
HUNDREDS TENS ONES
987,654,321
classkick
Place Value - Whole Numbers
NUMBEROCK
PLACE VALUE
3:55
math Antics
What number is shown by the place value blocks?
Place value tables
Use the place value chart to write 60,229.
Enter a 1 digit number in each box of the place value chart.
Ten thousands Thousands Hundreds Tens Ones
PLACE VALUE
millions hundred thousands ten thousands thousands hundreds tens ones
4 9 2 8 6 5 3
WAYS to SHOW a NUMBER
Standard Form
4,928,653
Word Form
Four million, nine hundred twenty-eight thousand, six hundred fifty-three
Base Ten Form
132
Expanded Form
4,000,000+900,000+ 20,000+8,000+600+50 +3
Decimal to the right
Millions Thousands Ones Thousandths
Place Value Basketball!
Place Value Charts
Gamequarium
HOCKEY SCORE!
GO!
10900
Ten Thousands

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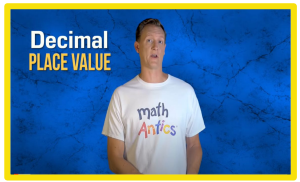
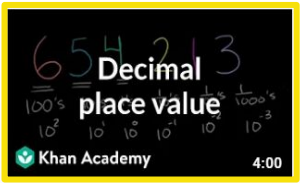
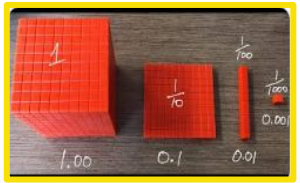
Place Value - Decimals



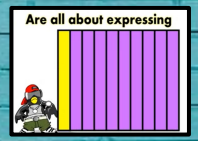




Decimal Place Value

what is the value of each digit in the number below?

200	70	3		.4	.06	.008
2	7	3	.	4	6	8
Hundreds	Tens	Ones	Decimal place	Tenths	Hundredths	Thousandths



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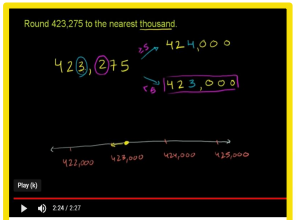
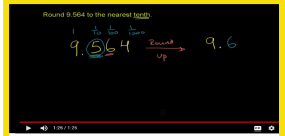
Rounding

Whole Numbers

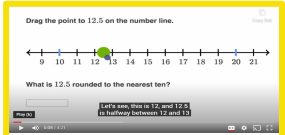


Rounding whole numbers to nearest thousand

Decimals



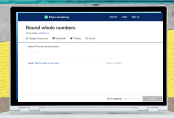
Worked example: Rounding decimals to nearest tenth

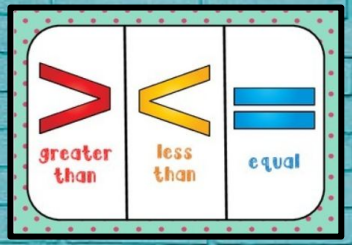


Rounding decimals on the number line

Rounding Rhyme

Find your place
Look *right* next door,
Five or greater
Add one more.
All numbers in front
Stay the same,
All numbers behind Zero's
your name.





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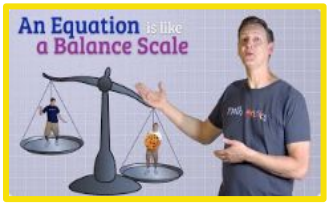
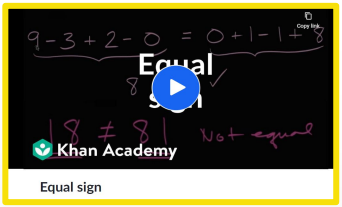
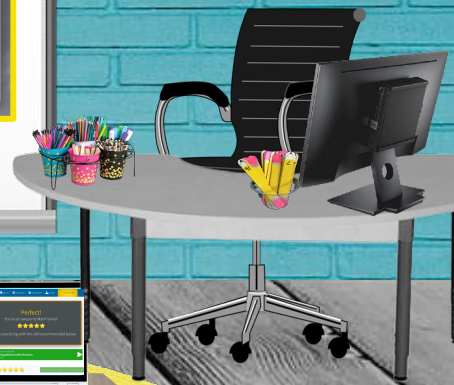
Equality

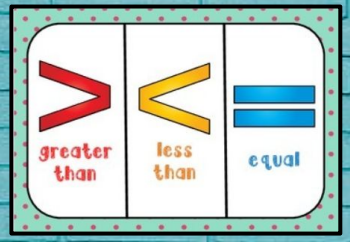




Equal sign

Expression	Inequality	Equality
a representation of a quantity	≠	=
5	5 + 6 ≠ 4 + 8	10 + 8 = 36 ÷ 2
4 + 3	9 – 4 ≠ 3 × 3	8 x 4 = 190 – 158
8 – 2	5 x 7 ≠ 35 +5	16 x 3 = 8 x 6
2 x 7		





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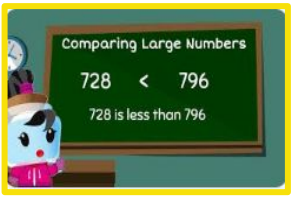
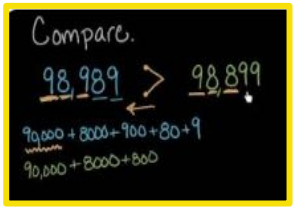
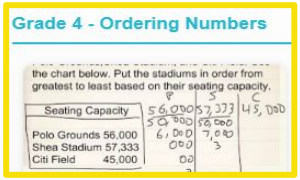
Compare and Order

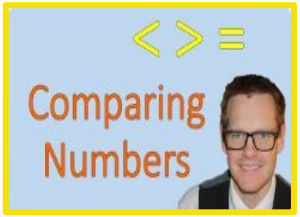
Whole Numbers

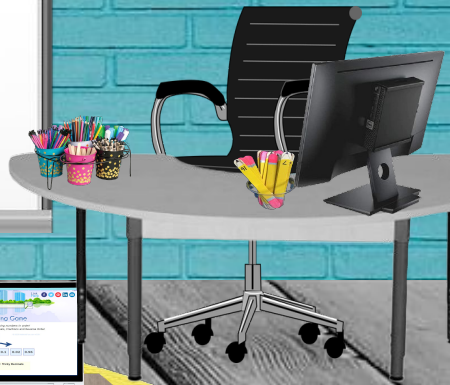






Decimals





THE PARTS OF AN
ADDITION NUMBER SENTENCE

ADDEND + ADDEND = SUM

4 + 1 = 5

PLUS EQUALS

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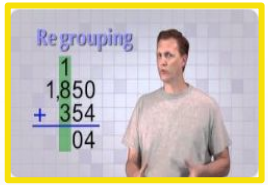
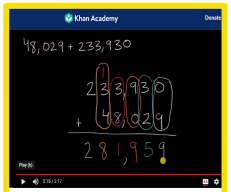
Add and Subtract Whole Numbers

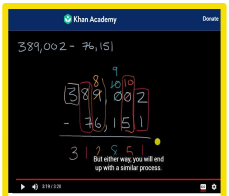
Addition





Adding multi-digit numbers: 48,029+233,930

Subtraction



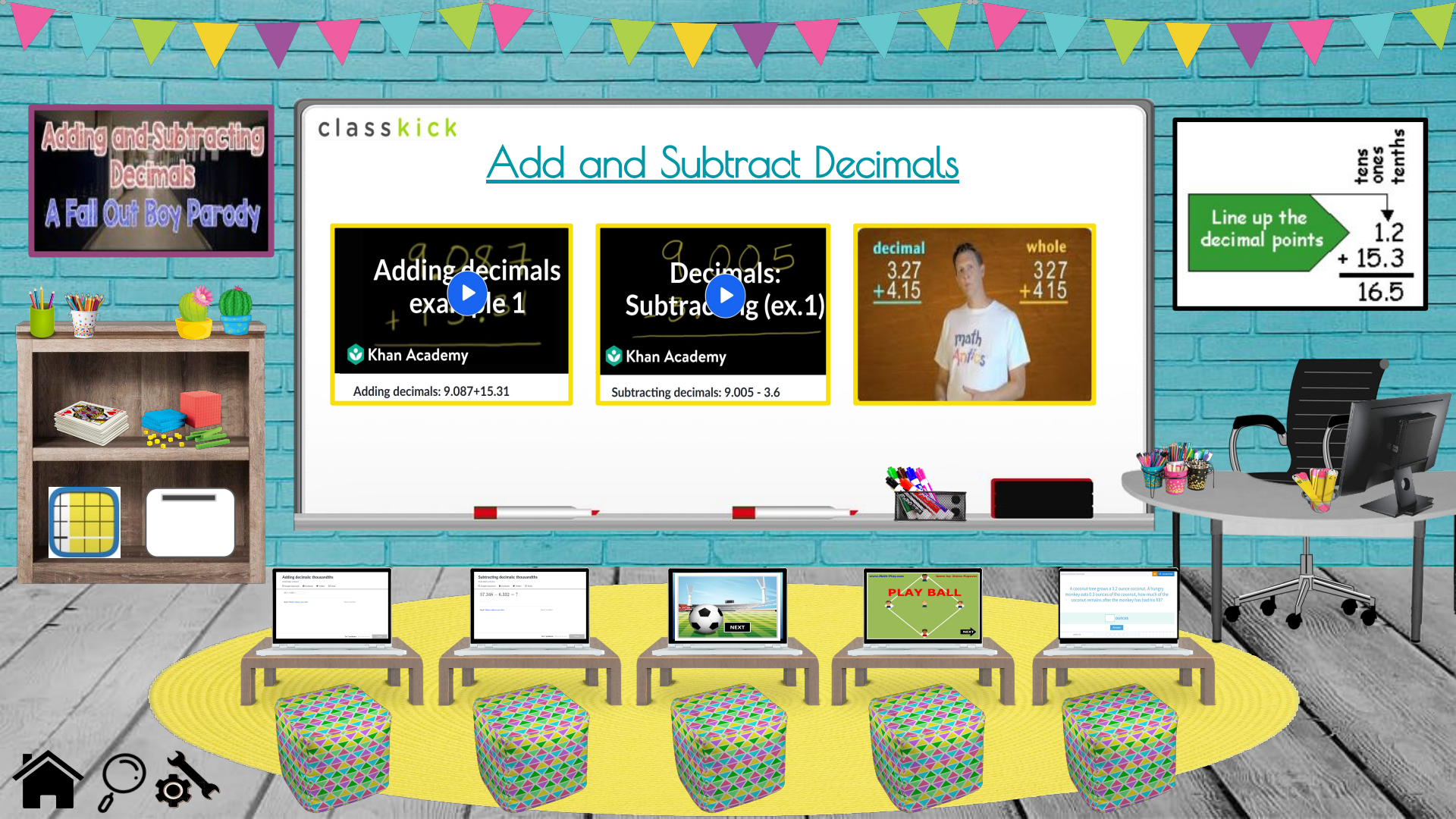
Multi-digit subtraction: 389,002-76,151

UNDERSTANDING A
SUBTRACTION NUMBER SENTENCE

MINUEND SUBTRAHEND DIFFERENCE

7 − 3 = 4

MINUS EQUALS


Adding and Subtracting Decimals
A Fall Out Boy Parody
classkick
Add and Subtract Decimals
Adding decimals example 1
Khan Academy
Adding decimals: 9.087+15.31
Decimals: Subtracting (ex.1)
Khan Academy
Subtracting decimals: 9.005 - 3.6
decimal
3.27
+4.15
whole
327
+415
Line up the decimal points
tens ones tenths
1.2
+ 15.3
16.5
PLAY BALL
NEXT

classkick

Estimation with Rounding

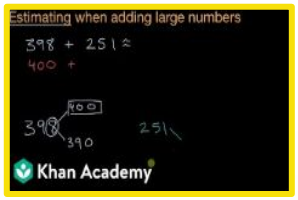
Rounding with a Number Line

478 → 500

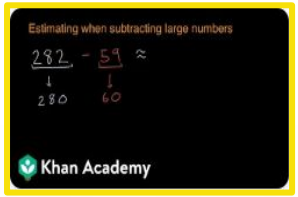
96 → 100

500 - 100 = 400

Estimation with Addition

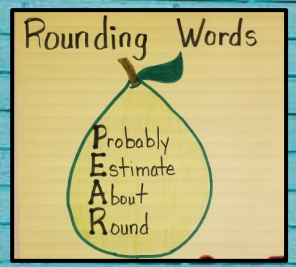


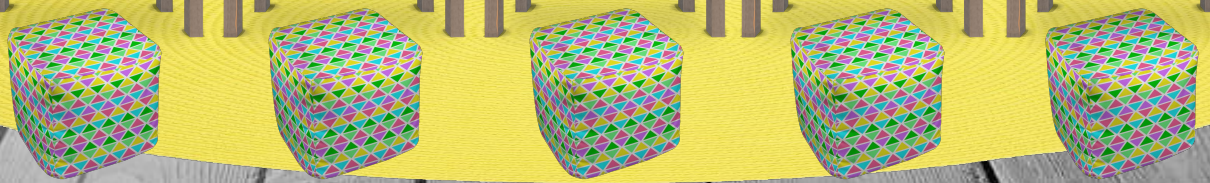
Estimation with Subtraction



Rounding Rhyme

Find your place
Look *right* next door,
Five or greater
Add one more.
All numbers in front
Stay the same,
All numbers behind Zero's
your name.





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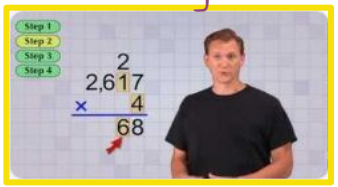
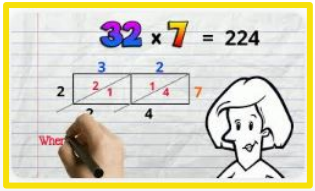
2x1 & 2x2 Multiplication

2X1 Digit



2X2 Digit

Lattice Method



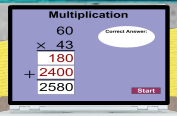
2-digit Multiplication

67 x 23 — 1. Multiply by the one's place: 201

67 x 23 — 2. Put a zero to hold the one's place: 201 0

67 x 23 — 3. Multiply by the ten's place: 201 1340

67 x 23 — 4. Add the numbers: 201 + 1340 = 1541



Long Division

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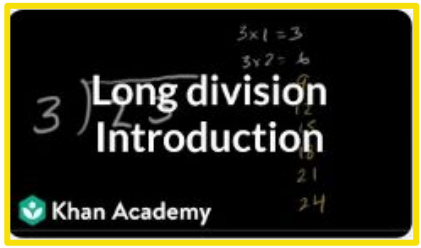

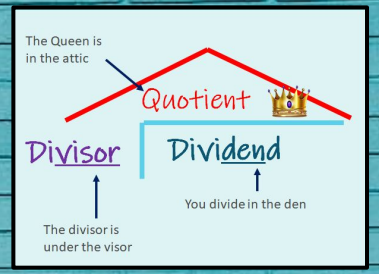

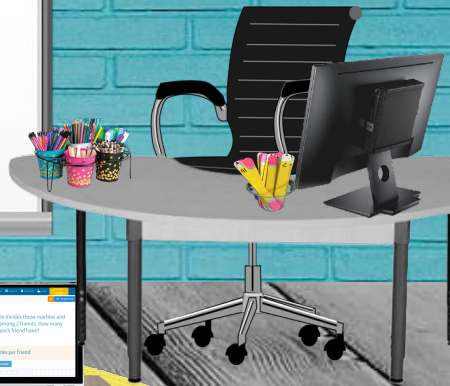

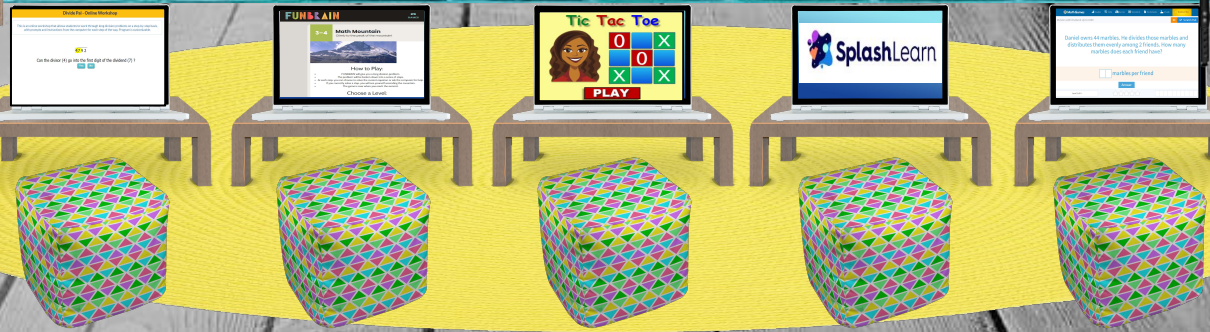

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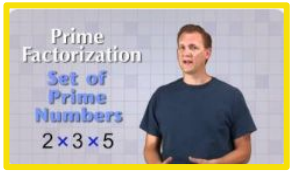
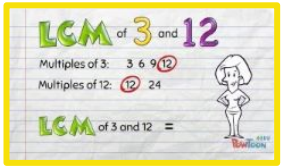
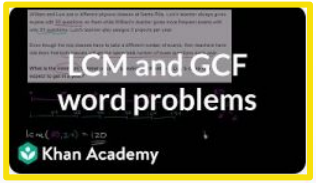
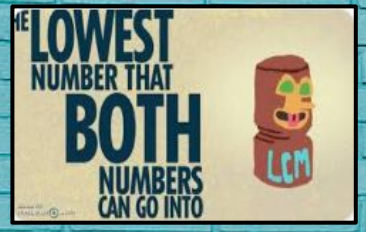
LCM and GCF

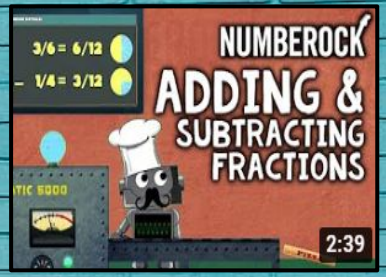
Least Common Multiple & Greatest Common Factor

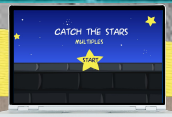


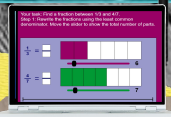


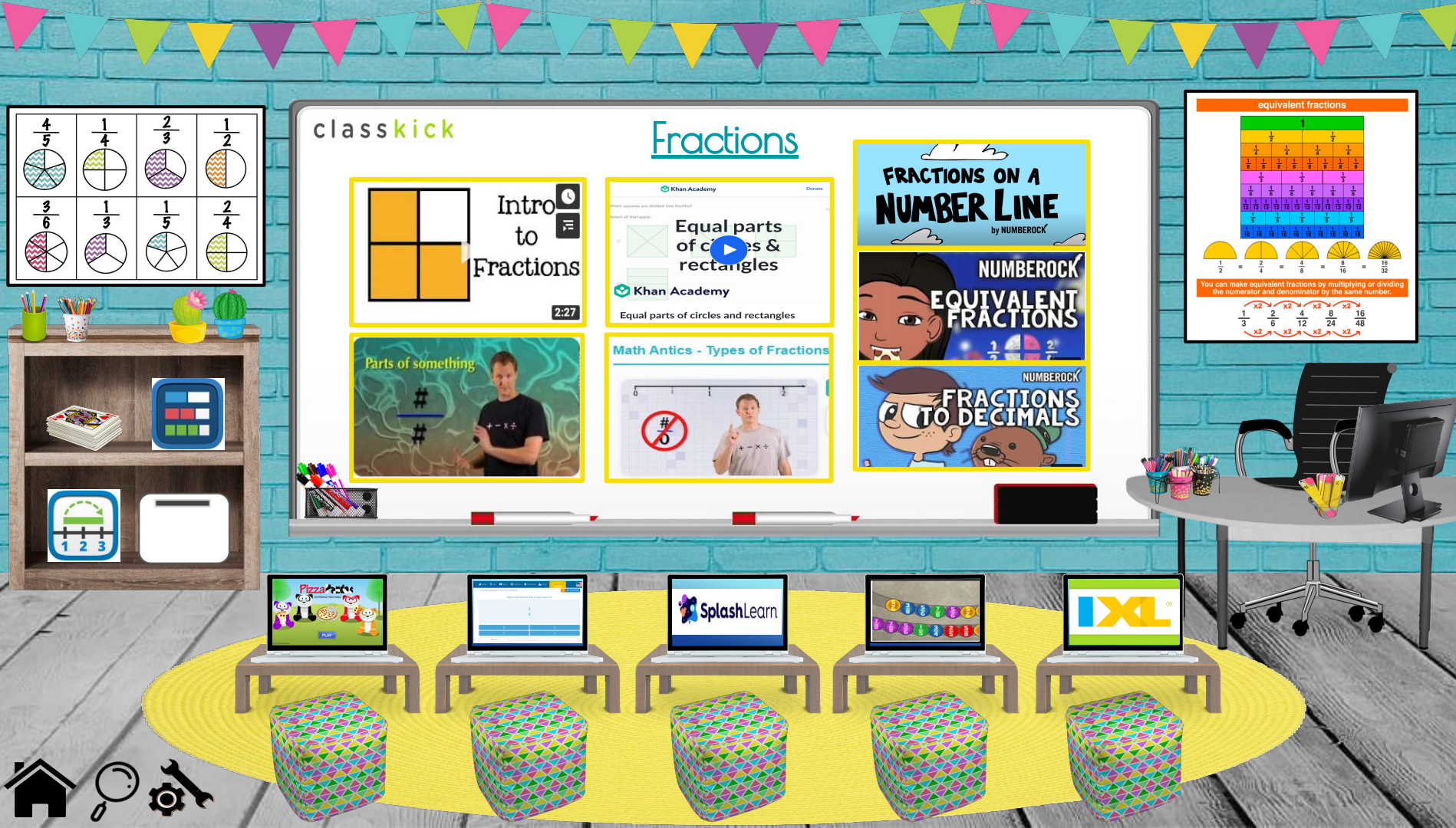


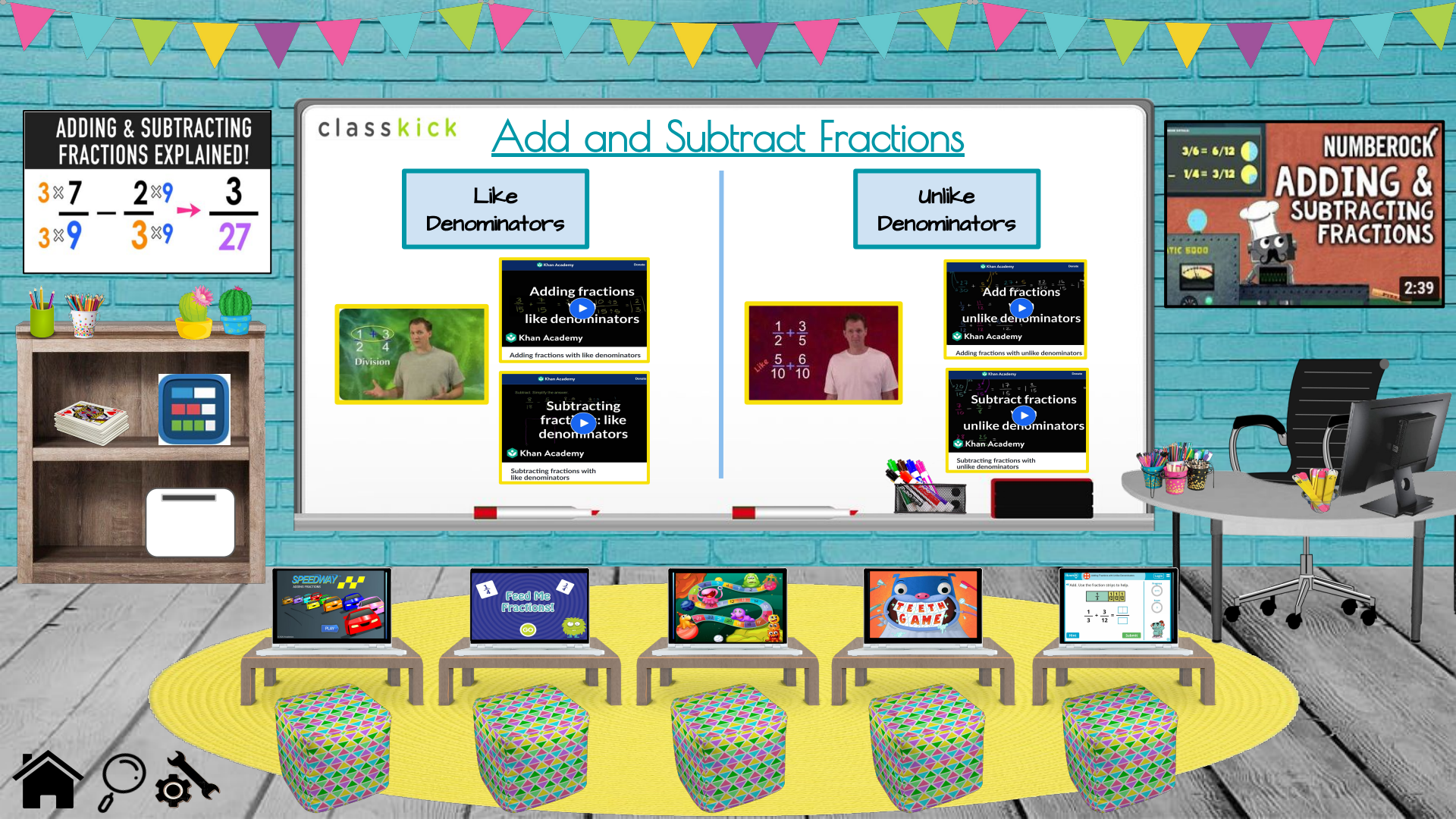


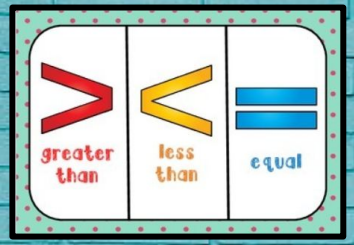






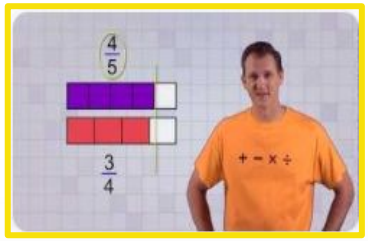

classkick
Fractions
Intro to Fractions
2:27
Khan Academy
Equal parts of circles & rectangles
Parts of something
Math Antics - Types of Fractions
FRACTIONS ON A NUMBER LINE
by NUMBEROCK
NUMBEROCK
EQUIVALENT FRACTIONS
NUMBEROCK
FRACTIONS TO DECIMALS
equivalent fractions
You can make equivalent fractions by multiplying or dividing the numerator and denominator by the same number.
SplashLearn
IXL

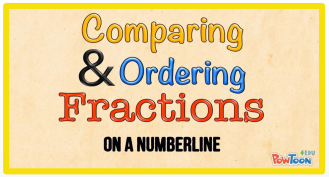

ADDING & SUBTRACTING FRACTIONS EXPLAINED!
3×7 / 3×9 − 2×9 / 3×9 → 3 / 27
classkick
Add and Subtract Fractions
Like Denominators
Unlike Denominators
Division
Adding fractions like denominators
Khan Academy
Adding fractions with like denominators
Subtracting fractions: like denominators
Khan Academy
Subtracting fractions with like denominators
Add fractions unlike denominators
Khan Academy
Adding fractions with unlike denominators
Subtract fractions unlike denominators
Khan Academy
Subtracting fractions with unlike denominators
3/6 = 6/12
1/4 = 3/12
NUMBEROCK
ADDING & SUBTRACTING FRACTIONS
2:39
SPEEDWAY
Feed Me Fractions!
TEETH GAME

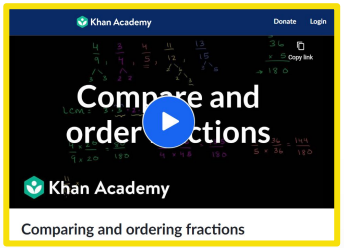


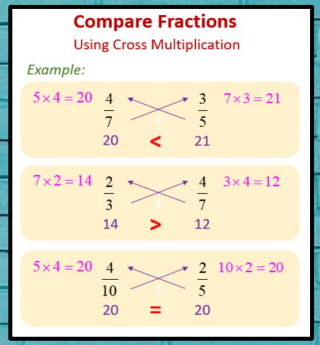
classkick

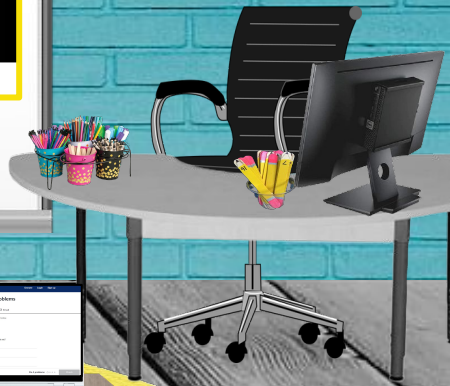
Compare and Order Fractions

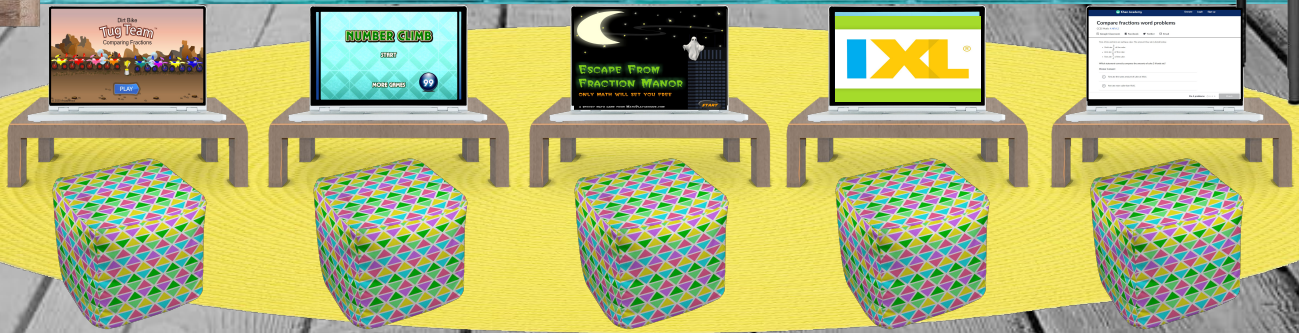












Probability

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The probability song

sung along to "The Lazy song" by Bruno Mars.

Math Antics - Basic Probability

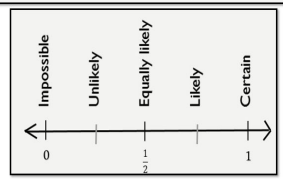
Addition rule for probability

Khan Academy

Probablity example (2)

Khan Academy

Probability = $\frac{\text{\# of favorable outcomes}}{\text{Total \# of possible outcomes}}$



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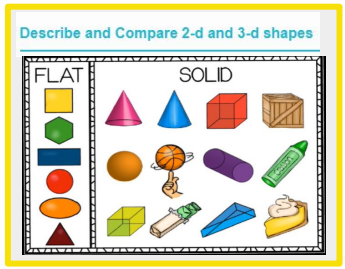
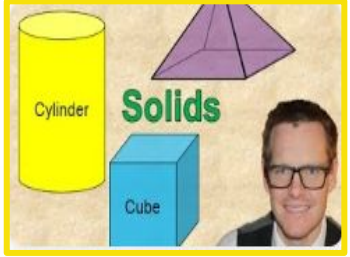
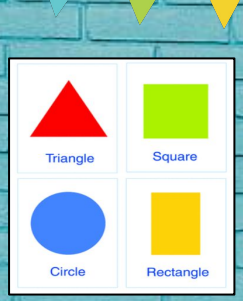
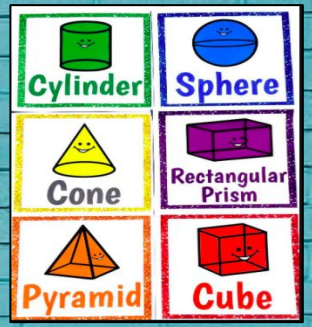
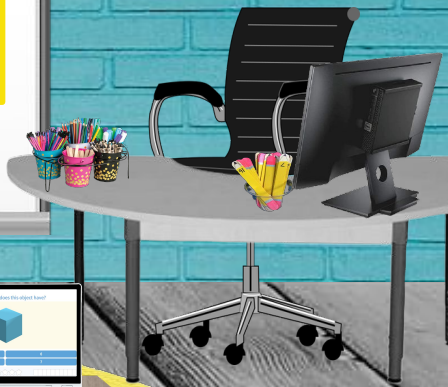
Plane and Solid Figures (2D & 3D Shapes)











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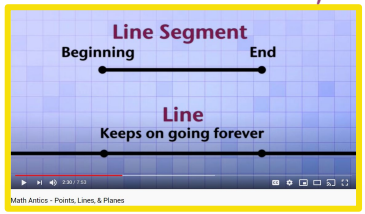
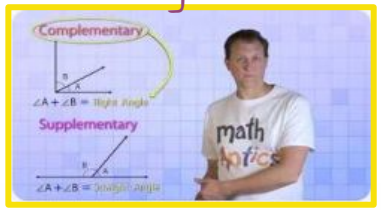
Lines, Rays, and Angles

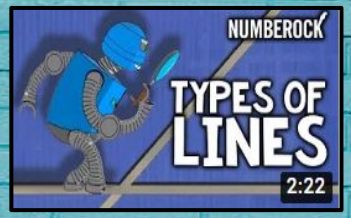
Points, Lines & Rays



Angles



Parallel, Perpendicular, & Intersecting Lines



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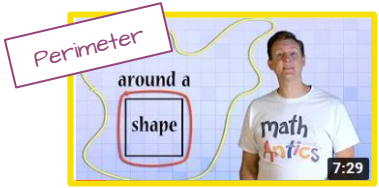
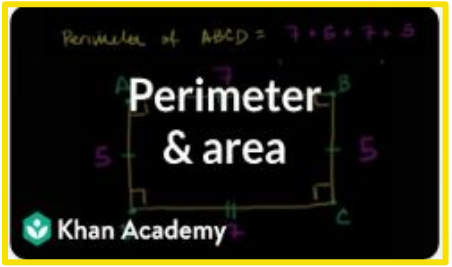
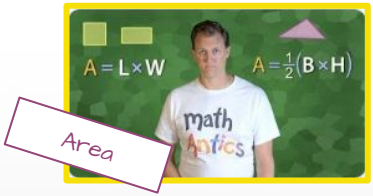
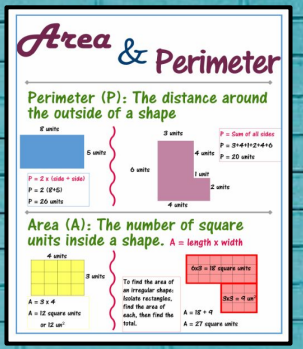
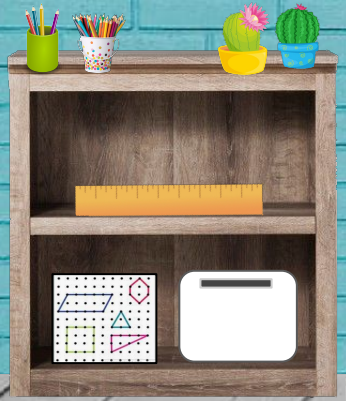
Perimeter and Area

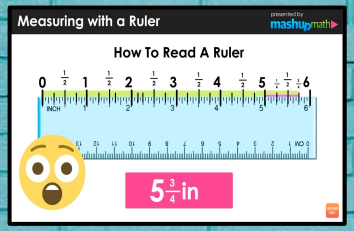


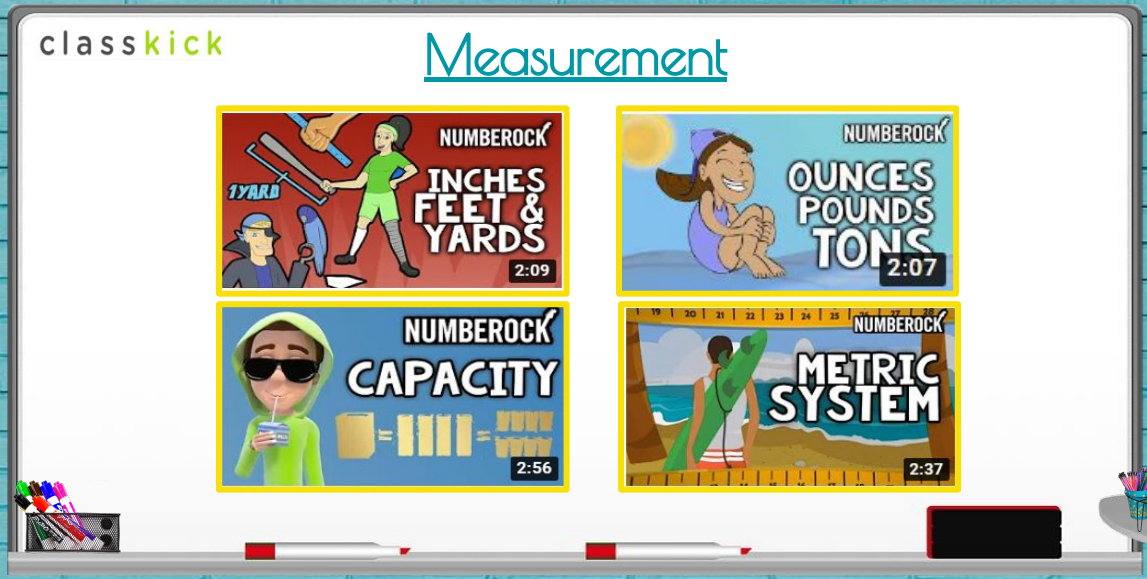


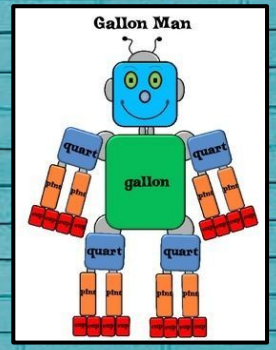






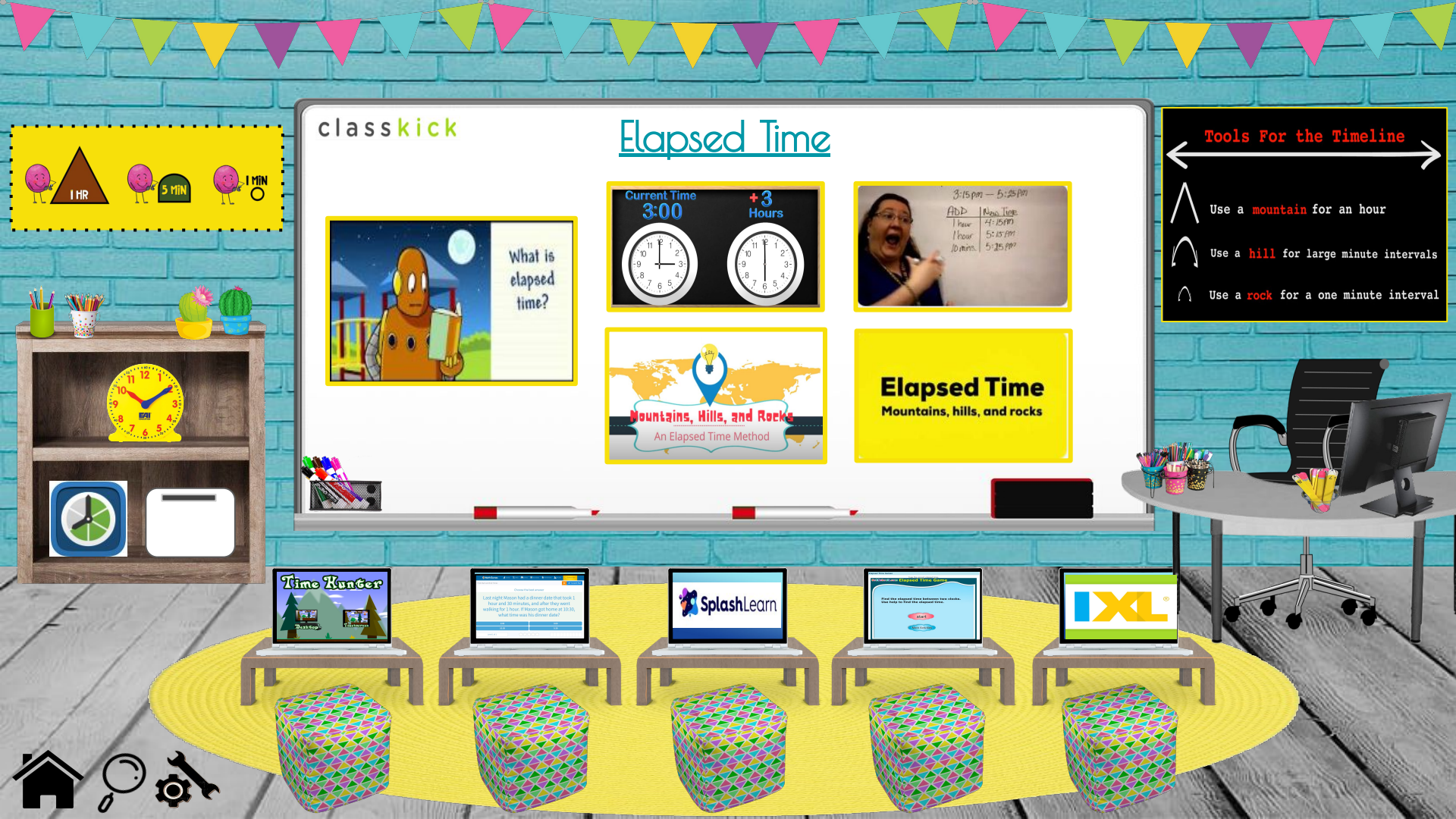

Measuring with a Ruler
presented by
mashupmath
How To Read A Ruler
0 1/2 1 1/2 2 1/2 3 1/2 4 1/2 5 1/2 6
INCH
5 3/4 in


classkick
Measurement
NUMBEROCK
1YARD
INCHES FEET & YARDS
2:09
NUMBEROCK
OUNCES POUNDS TONS
2:07
NUMBEROCK
CAPACITY
2:56
NUMBEROCK
METRIC SYSTEM
2:37


Gallon Man
quart
gallon
quart
quart
quart
pint
pint
pint
pint
pint
pint


STROLLING WITH MY GNOMIES
MEASURING GAME


All About Time
60 seconds in one minute
60 minutes in one hour
24 hours in one day
7 days in one week
52 weeks in one year
365 days in one year
12 months in one year
classkick
Telling Time
The minute hand to the nearest minute
What is the time?
9.23
23 minutes past 9
mathalia
hours:minutes
6:27
Telling Time
Step 1
Hour Hand
Step 2
Minute Hand
3:05
Look at the short hand, what it's passed and STOP!
Look at the long hand, start at 12 and count by 5's!
ALL ABOUT TIME
analog clock
digital clock
3:00
The short hand is the hour hand
The long hand is the minute hand
There are 60 minutes in 1 hour
30 minutes = a half hour
On a digital clock, o'clock = :00
Half past the hour is :30
The hour hand is between two numbers when it is the half hour
Time Kunter
SplashLearn


1 HR
5 MIN
1 MIN
classkick
Elapsed Time
What is elapsed time?
Current Time
3:00
+ 3
Hours
Mountains, Hills, and Rocks
An Elapsed Time Method
Elapsed Time
Mountains, hills, and rocks
Tools For the Timeline
Use a mountain for an hour
Use a hill for large minute intervals
Use a rock for a one minute interval
Time Hunter
SplashLearn
IXL

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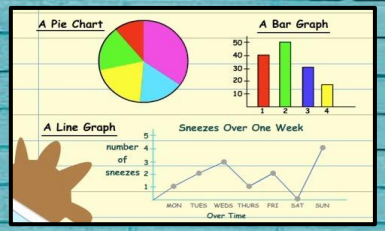
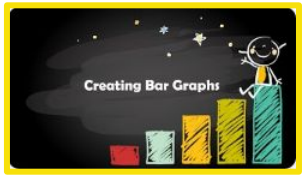
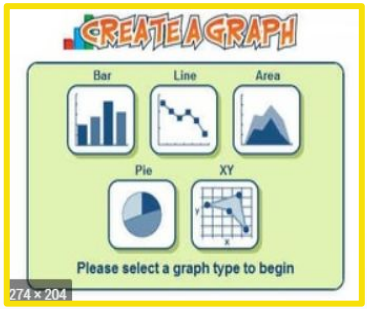
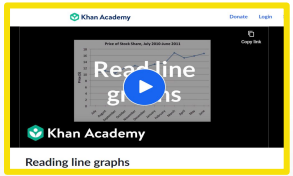
Analyzing Data/Graphs



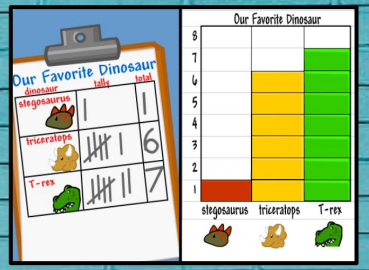


Interpreting bar graphs: colors





Reading line graphs



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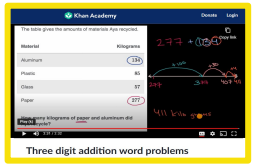
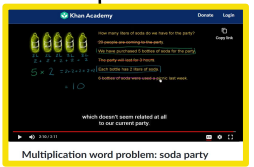
Word Problems

Addition



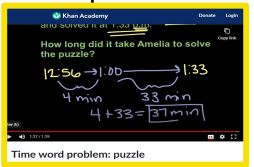
Three digit addition word problems

Multiplication



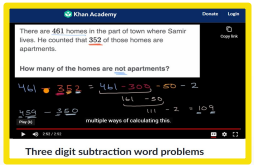
Multiplication word problem: soda party

Elapsed Time



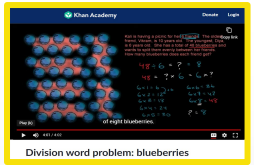
Time word problem: puzzle

Subtraction



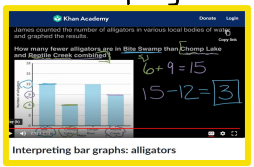
Three digit subtraction word problems

Division



Division word problem: blueberries

Graphing



Interpreting bar graphs: alligators