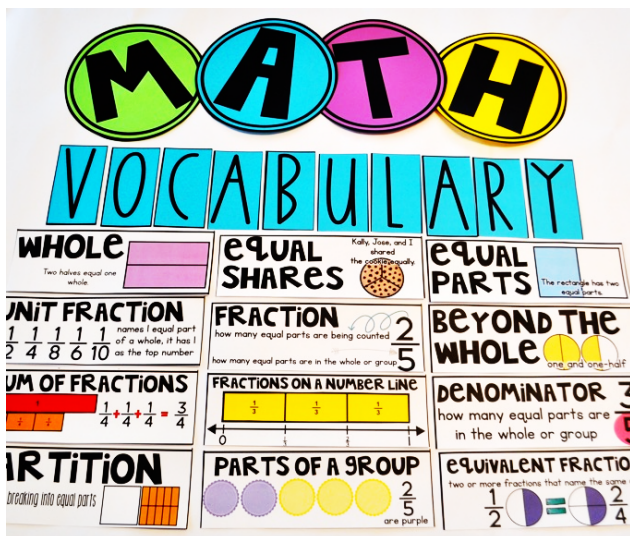


2-3  
grades

math

vocabulary

CARDS

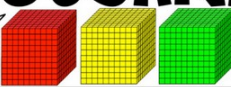


OVER 210 CARDS!

by: hope king and amy lemons

**HUNDREDS**  
 COUNT BY 100's  = 200

**HUNDREDS PLACE** 

**THOUSANDS**  
 COUNT BY 1000's  = 3,000

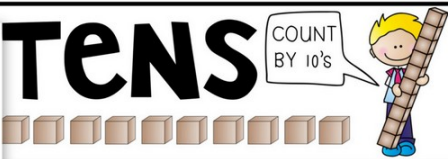
**THOUSANDS PLACE** 

**NUMBER FORM**  $\rightarrow$  **59**


**STANDARD FORM**  $\rightarrow$  **59**

**WORD FORM**  
**59 = fifty-nine**

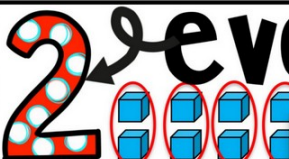
**EXPANDED FORM** **59 = 50 + 9**

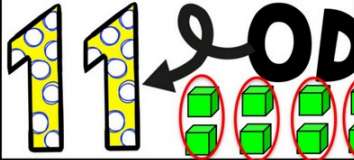
**TENS** COUNT BY 10's 

**TENS PLACE** 

**ONES** COUNT BY 1's 

**ONES PLACE** 

**12**  **even**

**11**  **ODD**


**GREATER THAN**  



**LESS THAN**  


**TEN THOUSANDS**  It takes 10 thousand blocks to make 10,000

**ROUND** **54** IS ABOUT **50**


**ESTIMATE** **54 + 14** IS ABOUT **70**  


**NUMBER LINE**  


**ABOUT**  
 THE MONSTERS WERE ABOUT 20 YEARS OLD.  


**HUNDREDS** 


**TENS OF THOUSANDS** 

**THOUSANDS** 

**EQUAL TO**  


**LEAST TO GREATEST**  
**9, 5, 2**

**TO GREATEST**  
**5, 9, 12**

**PLACE VALUE**  


**BREAK APART ONES**   $46 + 9 = ?$   
I can make the tens and ones with a dot.

**BREAK APART ADDENDS**  $45 + 40 + 5$

**ASSOCIATIVE PROPERTY**  
 $23 + (34 + 6) = 23 + 40$

**COMMUTATIVE PROPERTY**  
 $48 + 27 = 27 + 48$

**TEN MORE**  
 NUMBER  $345 + 10 = 355$  10 MORE

**TEN LESS**  
 NUMBER  $345 - 10 = 335$  10 LESS

**ONE HUNDRED MORE**  
 NUMBER  $345 + 100 = 445$  100 MORE

**ONE HUNDRED LESS**  
 NUMBER  $345 - 100 = 245$  100 LESS

**SUM**  $9 + 5 = 14$


**ADDENDS**  $9 + 5 = 14$

**EQUATION**  $9 - 4 = 5$

**DIFFERENCE**  $9 - 4 = 5$

**DOUBLES**  
 $5 + 5$   $1 + 1$   $9 + 9$

**Digit**  $5$   $14$

**ADD** 

**SUBTRACT** 

**MISSING ADDEND**  
 $4 + ? = 12$   
 $? + 8 = 12$

**UNKNOWN NUMBERS**  
 $12 - ? = 4$   
 $? - 8 = 4$



# UNIT SQUARE

square with the side length of one unit

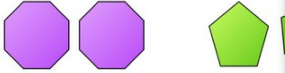
# PARALLEL LINES



# RIGHT ANGLE



# CONGRUENT



# LENGTH

We can measure an object to find the distance from one end to another.



# HEIGHT

Distance from the bottom to the top



# RULER



# COMPOSE

Put the trapezoid apart to form new shapes



# POLYGON



# QUADRILATERAL



# PENTAGONS

PENTAGON HAS FIVE SIDES AND FIVE VERTICES.



I have 4 sides.



# EDGE

I have 12 edges.

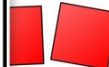


# FACE

I have 2 faces.



# COMPOSE



Use two squares to form a rectangle

# INCH



about the size of a paperclip, thimble, or eraser

# FOOT

12 inches = 1 foot



# YARD

3 feet = 1 yard about the length of a guitar or baseball bat



# CENTIMETER

about the length of a dime, staple, or ant



# METER

100 centimeters = 1 meter



# LENGTH

RECTANGLE



# ESTIMATE

The piece of paper is about one foot long

# WIDTH

RECTANGLE



# COMPARE

The pink bear is one inch taller than the blue bear

# PERIMETER

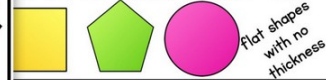
The distance around the outside of the shape



# AREA

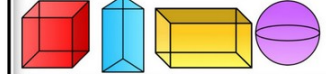
The area of the rectangle is 12 square units.

# SHAPES

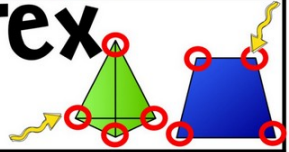


Flat shapes with no thickness

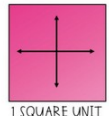
# SHAPES



# TEXT

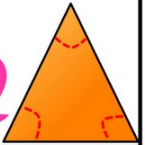


# SQUARE UNITS



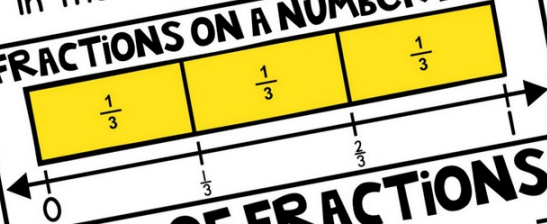
# ANGLE

I have 3 angles.

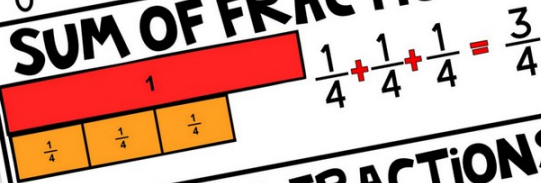


**DENOMINATOR**  $\frac{3}{5}$   
 how many equal parts are  
 in the whole or group

**FRACTIONS ON A NUMBER LINE**



**SUM OF FRACTIONS**



**COMPARE FRACTIONS**



**WHOLE**  $1 \frac{1}{2}$   
 one and one-half

**FRACTION**  $\frac{2}{5}$   
 how many equal parts are being counted

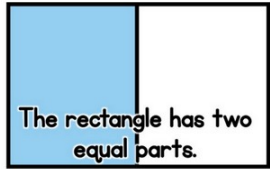
how many equal parts are in the whole or group

**UNIT FRACTION**

$\frac{1}{2}$   $\frac{1}{4}$   $\frac{1}{8}$   $\frac{1}{6}$   $\frac{1}{10}$  names 1 equal part  
 of a whole, it has 1  
 as the top number

**NUMERATOR**  $\frac{3}{5}$   
 how many equal parts  
 are being counted

**EQUAL PARTS**



The rectangle has two  
 equal parts.

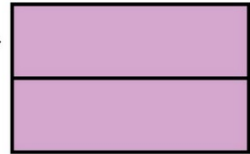
**EQUAL SHARES**

Kally, Jose, and I  
 shared  
 the cookie equally.



**WHOLE**

Two halves equal one  
 whole.

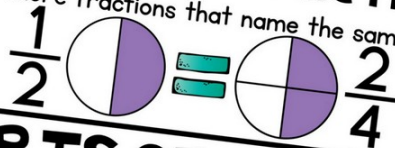


**FRACTIONAL PARTS**

There are four fractional parts.  
 Each part is one-fourth.

**EQUIVALENT FRACTIONS**

two or more fractions that name the same amount



**PARTS OF A GROUP**



**PARTITION**

dividing or breaking into equal parts





**CENT**  
SYMBOL 

**DOLLAR**  
SYMBOL 

**DECIMAL**   
**POINT** *eeee*

**SAVING**  
To put away or later

**SPENDING**  
To use money to pay for something

**DEPOSIT**  
To put money into a bank account

**WITHDRAWAL**  
To take money out of the bank

**PRODUCER**  
Someone who makes/grows

**CONSUMER**  
A person who buys goods or services

**SCARCITY**  
Not having an abundant amount of goods and services compared to human wants

**AVAILABILITY**  
Having an abundant amount of goods and services compared to human wants

**PRICE**  
The amount goods and services cost

**BUDGET**  
Having a plan for spending and saving

**DONATE**  
To give food, money, or items to help a person or group of people

**PENNY**  **1c**

**NICKEL**  **5c**

**DIME**  **10c**

**QUARTER**  **25c**

**CASH**  
money in the form of coins, bills, or a check to pay for goods at the time of purchase

**CREDIT**  
Borrowed money with a promise to repay the money later

**PLANNED SPENDING**  
When you choose to make a purchase for something you want or need

**UNPLANNED SPENDING**  
When you must make payment for something or purchase something that was unexpected

**TEN DOLLARS**  **\$10.00**

**TWENTY DOLLARS**  **\$20.00**

**FIFTY DOLLARS**  **\$50.00**

**ONE HUNDRED DOLLARS**  **\$100.00**

**CHARITY**  
A special group of people that gives back to the community

**BORROWING**  
To take or receive something with the promise of returning it

**LENDING**  
To give usually for a certain amount of time

**INCOME**

**HALF DOLLAR**  **0.50** **50c**

**DOLLAR**  **1.00** **100c**

**ONE DOLLAR**  **\$1.00**

**FIVE DOLLARS**  **\$5.00**

**FOODS**  
Things that are made or grown

**NEEDS**  
Something someone must have to live

**WANTS**  
Something people would like to have

**COST**  
The amount paid or charged for something

**LABOR**  
Abilities, skills, and education that helps make a work more valuable

**SERVICES**  
Work that someone does for someone else

**SUPPLY**  
The amount of something that is available to consumers

**DEMAND**  
How much consumers want something

**ALLOWANCE**  
The amount of money earned from a parent or family member

# AM

before noon



# PM

after noon



# NOON

12:00 in the day





# MIDNIGHT

12:00 at night





# ANALOG CLOCK



# DIGITAL CLOCK



# OUR



# SECOND

About how long it takes to click a pen once



# QUARTER PAST

15 minutes past the hour



# QUARTER TO


15 minutes before the hour



# ELAPSED TIME


What time will it be in 20 minutes?

The amount of time that passes between one time and another




# HALF PAST

30 minutes past any hour




# HALF HOUR

There are 30 minutes in every half hour.



# ONE HOUR

There are 60 minutes in every hour.



# ONE MINUTE

There are 60 seconds in every minute.




# SURVEY

Which type of milk is your favorite?



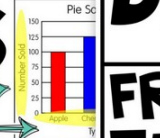
# TITLE

Pie Sales at Fair



# LABELS

Number Sold

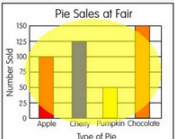


# NUMBERS OR SCALE



# DATA

Pie Sales at Fair



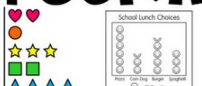
# FREQUENCY TABLE

| Car Accidents By Month |   |
|------------------------|---|
| May                    | 4 |
| June                   | 8 |
| July                   | 9 |


# BAR GRAPH



# PICTOGRAPH



# LINE PLOT



# TALLY CHART





# FACTOR

$9 \times 3 = 27$

# PRODUCT

$4 \times 5 = 20$

# MULTIPLY

$2 \times 3$  2 GROUPS OF 3



# EQUAL GROUPS




# RELATED FACTS



# PATTERN

- AN ORDERED SET OF NUMBERS OR OBJECTS  
- HELPS YOU PREDICT WHAT WILL COME NEXT



# RULE

- YOU CAN DESCRIBE A PATTERN USING A RULE  
- THE RULE MUST BE TRUE FOR THE WHOLE PATTERN

1, 3, 9, 27  
Rule: Multi by 3

# EXPRESSION

- HAS NUMBERS  
- HAS OPERATION SIGNS  
- DOES NOT HAVE AN EQUALS SIGN

$6 \times 3$

# DIVIDE

SHARE 9 EQUALLY

$9 \div 3$



# DIVIDEND

$8 \div 2 = 4$




# EQUATION

$4 \div 2 = 2$

# DIVISIBLE

$6 \div 2 = 3$




# DIVISOR

$8 \div 2 = 4$



# QUOTIENT

$8 \div 2 = 4$

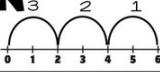


# RELATED FACTS

$12 \div 2 = 6$  &  $12 \div 6 = 2$

# REPEATED SUBTRACTION

$6 \div 2 = 3$



# COMMUTATIVE PROPERTY

$5 \times 5 = 5 \times 5$

# ASSOCIATIVE PROPERTY

$(5 \times 3) = (5 \times 2) \times 3$

# DISTRIBUTIVE PROPERTY

$(6 \times 2) + (6 \times 6)$

# MULTIPLE

9 12 15 18 21

# IDENTITY PROPERTY

$0 \times 1 = 0$

# REPEATED ADDITION

$5 + 5 + 5$



# IDENTITY PROPERTY

$5 \times 1 = 5$

MULTIPLYING BY ONE WILL NOT CHANGE THE IDENTITY OF THE NUMBER

# COMPARISON

$6 \times 3$  6 TIMES AS MUCH AS 3

# UNKNOWN NUMBERS

$3 \times ? = 21$   $? \times 8 = 56$

# PARTIAL PRODUCTS

- MULTIPLY THE TENS AND ONES SEPARATELY  
- ADD THE PRODUCTS THAT IS CALLED FINDING PARTIAL PRODUCTS!

|                     |                   |
|---------------------|-------------------|
| $8 \times 15 = ?$   |                   |
| $8 \times 10 = 80$  | $8 \times 5 = 40$ |
| $80 + 40 = 120$     |                   |
| $8 \times 15 = 120$ |                   |

# SHARE EQUALLY



# ARRAY





# MASS

- How much matter is in an object
- Measured with a balance



# WEIGHT

The measurement of the pull of gravity on an object



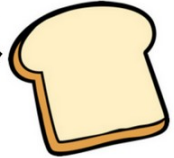
# KILOGRAM

- 1 kilogram = 1000 grams
- about the weight of a bag of rice

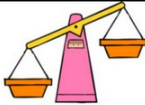


# OUNCE

A standard slice of bread weighs about one ounce



# PAN BALANCE



# POUND

A can of beans weighs about one pound



# SCALE



# GRAM

A paperclip



# GALLON

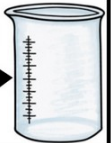
- 16 cups
- 8 pints
- 4 quarts



How much a container can hold



# BEAKER



# VOLUME

The amount of 3-dimensional space an object occupies



# CUP

- 8 ounces
- Half a pint



# DROPPER



# LITER

- 1,000 milliliters



# PINT

- 16 ounces
- Half a quart



# TON

- 2,000 pounds = one ton
- polar bears weigh about one ton



# MILLILITER

1,000 milliliters = 1 liter



# QUART

- 32 ounces
- Half a gallon



# MILLIGRAM

- 1,000 milligrams = 1 gram
- about the weight of a US dollar bill

