## Hydred to know about...

Thousands

Tens

Tenths

Tenths

Tenths

Thousandths

WHOLE NUMBERS

DECIMAL NUMBERS

### All the Forms of decimals

\$\fandard \\ \form: 56.97

Written From: (write exactly how you read the number) Fifty-six and ninety seven hundredths

Expanded form three ways:

- 1. 50 + 6 + .9 + .07
- 2.  $(5 \times 10) + (6 \times 1) + (9 \times .1) + (7 \times 0.01)$
- $3.(5 \times 10) + (6 \times 1) + (9 \times 1/10) + (7 \times 1/100)$

### Hydred to know about...

SPURSOOU

Hundreds

PLACE VALUE

ones Decimal

SHtual

HUNDERPHPS

**Thousandths** 

WHOLE NUMBERS

DECIMAL NUMBERS

# Adding & Subtracting

#### Steps

1. Line up the decimals!

2. Drop the Decimal!

3. Add or Subtract as normal.

4. FINISHED!

PRO TIP: BEHIND EVERY WHOLE NUMBER THERE IS AN IMAGINARY DECIMAL. 64.49

7.52

56.97

56.97

- 5.00

5 1.97

## All Mount who was about ...

MULTIPLY BY THE ONES PLACE FIRST THEN THE TENS PLACE. 46 34 569

MARK OUT
THE THINGS
YOU'VE
ALREADY

USED.

X 75

2945 + <u>39830</u> ←

4,2775

DON'T FORGET YOUR PLACE HOLDER ZERO!!!

#### IMPORTANT VOCABULARY:

NUMBERS BEING MULTIPLIED TOGETHER ARE

CALLED FACTORS.

THE ANSWER TO A MULTIPLICATION PROPLEM IS

CALLED A PRODUCT.

Hydred to know about...

**Thousands** 

Hundreds

PLACE VALUE

Decimal

**Tenths** 

HUNdredths

Thousandths

WHOLE NUMBERS

DECIMAL NUMBERS

### Multiplying Decimals

### Steps

- 1. Multiply as normal.
- 2. (ount Decimal places
- 3. Move the imaginary decimal
- 4. FINISHED!

56.<u>4</u>1

X = 7.2

410,184

All Johnsed to know about...

DOES MCDONALDS SELL CHEESE BURGERS?

24<sup>2</sup>/<sub>3</sub>36 -24 -24 96

WRITE YOUR MULTIPLES!

MULTIPLY
SUBTRACT
CHECK

DIVIDE

OHECK D

**B**RING DOWN

24

36

multiples

48

72

96

#### IMPORTANT VOCABULARY:

THE NUMBER BEING DIVIDED IS THE DIVIDEND. THE NUMBER DOING THE DIVIDING IS THE DIVISOR THE ANSWER TO A DIVISION PROBLEM IS CALLED THE QUOTIENT.

## Heed to know about...

SPURSOOUI

ndreds

PLACE VALUE

Sauc

, Decima Tenths HUNdredths

**Thousandths** 

WHOLE NUMBERS

DECIMAL NUMBERS

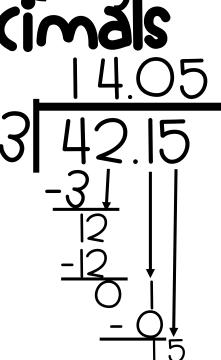
#### Dividing Decimals

V.

M

5

B



multiples

3

6

9

12

15

18

21

#### Steps

- 1. Write your multiples
- 2. Divide as normal.
- 3. Bring your decimal straight up!
- 4. FINISHED!

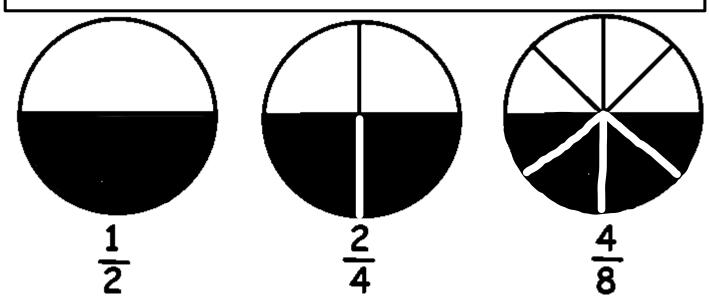
# Heractions All your need to know about...

FRACTIONS ARE PART OF A WHOLE.

The <u>numerator</u> is the part of a whole.

The <u>denominator</u> is how many parts make up the whole.

Equivalent fractions: Fractions that take up the same amount of space and can be simplified into the same lowest number.



### Herachto know about...

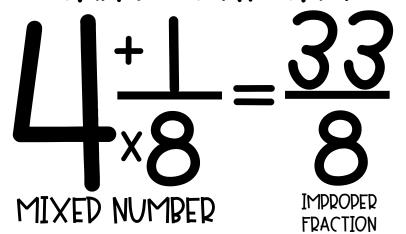
ADDING & SUBTRACTING FRACTIONS

### **SUBTRACTION** - FOLLOWS THE SAME STEPS!

Least
Common
Denomin
ator: The
smallest
number
that both
denomina
tors will
go into.

_4	8
х1 <b>Ц</b>	(8)
$x_{5}$	16
x3 12	24

#### MAKE IT AN IMPROPER FRACTION



MAKE IT A (SIMPLIFIED)

### MIXED NUMBER

Multiples

 $x_1 g$ 

X216

MHOLE NEW

NUMERATOR

DENOMINATOR STAYS THE SAME

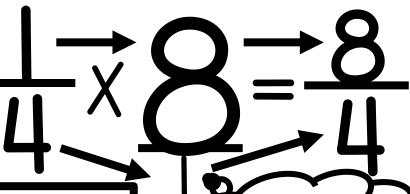
What is a mixed number?

A mixed number is a combination of a whole number & a Fraction.

What is an improper number?

A Fraction that has a larger numerator than denominator.

MULTIPLYING UNIT FRACTIONS by A WHOLE NUMBER

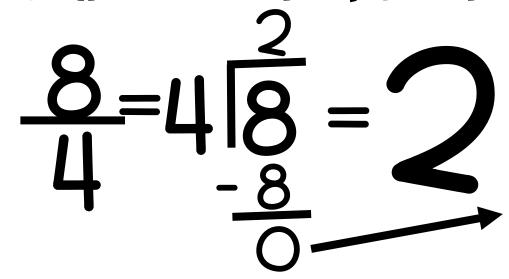


UNIT FRACTION: 9 fraction with a one in the numerator

WHOLE NUMBERS GO OVED ONE!

SIMPLIFY YOUR ANSWER

- 1. Mulliply across the IOP.
- 2. Mulliply across the bollom.
- 3. Simplify your answer
- 4. Now, you 901 il!



A REMAINDER OF ZERO MEANS NOTHING III NO NEW NUMERATOR. JUST A WHOLE NUMBERI

## Hered to know about...

DIVIDING UNIT FRACTIONS DIVIDING WHOLE NUMBERS BY A WHOLE NUMBER OF UNIT FRACTIONS

ANALYZE THE PROBLEM

UNIT FRACTION: a fraction with a one in the numerator

Arianna wants to bake cookies, she has 1/5 pound of sugar. She made 5 batches of cookies, how much sugar is in each batch?

(What is being divided up?!)... THE SUGAR!

There is...

| VEEP FLIP | Solve | FLIP | Solve | Solve | FLIP | Solve | Solve

## Heractions All years about...

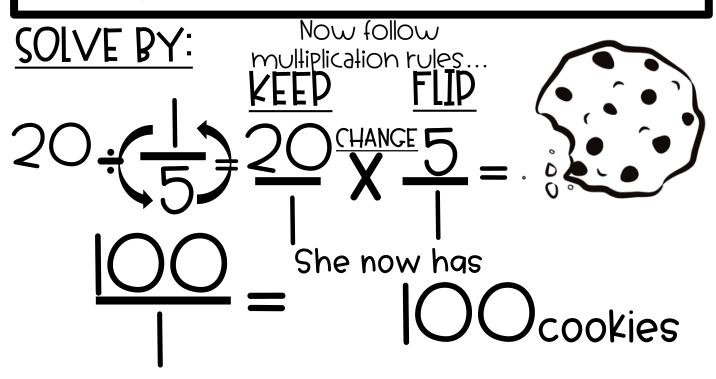
DIVIDING UNIT FRACTIONS DIVIDING WHOLE NUMBERS BY A WHOLE NUMBER OF UNIT FRACTIONS

ANALYZE THE PROBLEM

UNIT FRACTION: a fraction with a one in the numerator

Julissa has 20 cookies, she cuts each cookie into fourths. How many cookies does she have now?

(What is being divided up?!) ... THE COOKIES!



All you need to know about...

The Quadrilateral Hierarchy

### Quad means FOUR!

Quadrilaterals are FOUR sided shapes!



Polygon: any 2D figure made of line segments, straight lines.



Quadrilaterals: any 2D with four sides.

KITE IRAPEZOII
PARALLELOGRAM

RHOMBUS RECTANGLE

SOUARE

### need to know about... ea, Perimeter & Volume

# ERIMETER

#### What is area?

Area is how much space inside of the shape.

#### What is volume?

Volume is how much it takes to fill the shape. Volume is made of layers. To find the volume of a rectangular prism or a cube, multiply length by width by height.

#### V=LXWXH

#### V= BASE X HEIGHT

Base= length x width Base is one layer of the cube.

#### What is perimeter?

Perimeter is the border or the outside of the shape.

To find perimeter of ANY shape, add all sides!!!

#### P= ADD ALL SIDES a shape takes up, or the A= LENGTH X WIDTH

To find area of a rectangle or square, multiply the length by the width.

