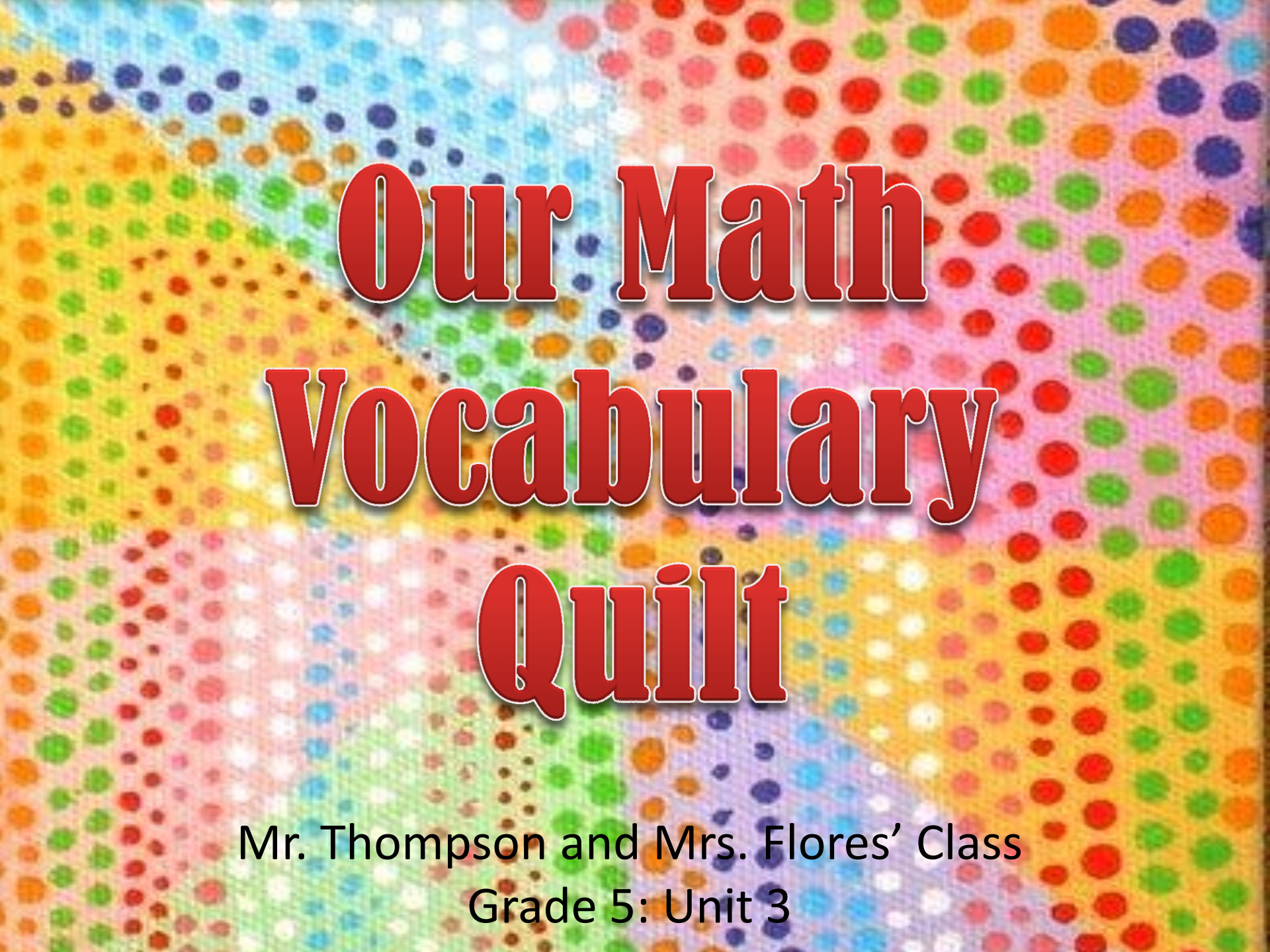




# Our Math Vocabulary Quilt

Mr. Thompson and Mrs. Flores' Class  
Grade 5: Unit 3

# Table of Contents

- Compare
- Decimals
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**BIG** or small  
Which one is smaller?

High 100 or Low 1  
Which one is the highest?



# COMPARE!!

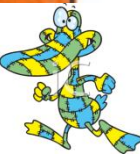
To Represent as similar



When you compare,  
you can come and  
pair the numbers that you  
compare!!

↑ Purple  
llama  
being  
compared  
to  
rainbow  
llama

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\*Decimals\*

Decimals

# Decimals



\*Decimals

A Number system based  
on Powers of 10 - contains  
a decimal Point.

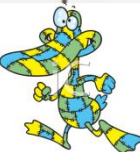
\*Decimals

0.090

Decimals

2.6

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Denominator tells you how many parts the whole number is divided into written on the bottom of fractions



Denominator



Denominator  
4 is a denominator

1 is a numerator  
4

Den & I can remember as a down  
so I will look down and I will  
see a denominator



$$18 \div 6 = 3$$

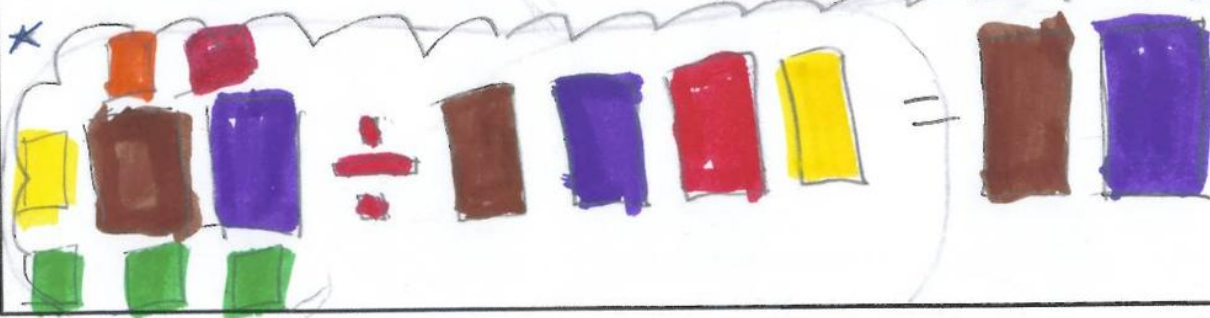
$$6 \overline{) 18} \begin{array}{r} 3 \\ \underline{18} \\ 0 \end{array}$$

$$1 \div 5 = 5$$

$$7 \overline{) 28}$$

## Division

The process of sharing a number of items to find how many items will be in a group.



# Equivalent Fractions

Fractions that name the same number or amount

$$\frac{1}{2} = \frac{2}{4}$$

Remember  
equivalent  
as the  
word  
equal

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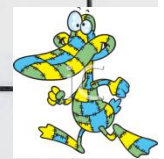


guess  
how many



Estimate

to Estimate is to  
judge about how much



One way I remember is I improper means not proper

$$\frac{5}{3}$$

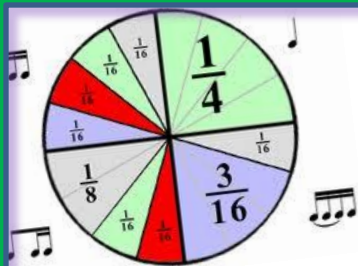
$$\frac{6}{2}$$

Improper fraction

A improper fraction is a fraction where  
its numerator is bigger than its denominator

$$\frac{4}{2}$$





$$\frac{3}{8} + \frac{6}{4}$$

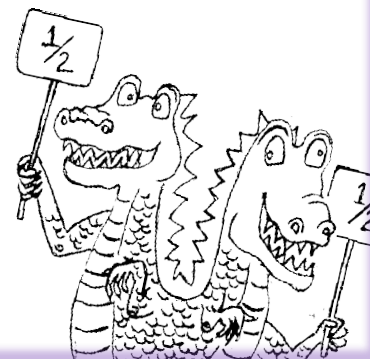


# Fraction

**A part of a whole**



If you "fracture" something you break it- Fractions are like breaking pieces of a whole





3: 3, 6, 9, 12, 15, 18

5: 5, 10, 15

15 is the LCM  
of 3 and 5

# Least Common Multiple!

The Smallest number, other than zero,  
That is a common multiple of two or  
more numbers.



Least means  
Small. that is  
how I ~~remember~~  
remember

1518  
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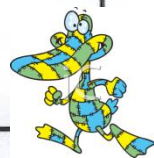


# Mixed Numbers

A whole number and a fraction combined into one "mixed" number.

$$4 \frac{2}{8}$$

$$2 \frac{3}{4}$$



# Multiply

$$\begin{array}{r} 25 \\ \times 5 \\ \hline 125 \end{array}$$



Think  $8 \times 5 = 40$

$$8 \times 500$$

$$8 \times 500 = 4,000$$

2 zeros 2 zeros

So,  $8 \times 522$  is about 4,000

## Multiply! 😊

multiply

$$\begin{array}{r} 14 \\ \times 4 \\ \hline 56 \end{array}$$



It's process to find the total number of items made up of equal-sized groups, or to find the total number of items in a given number of groups. It is the opposite operation of division.

multiply



Pizza



$$\frac{1}{4}$$

Birthday  
Cake



$$\frac{1}{4}$$

numerator !!!

$$\frac{1}{4}$$

numerator

- Tells you how many you have in the top

- Part of the whole.

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NUMERATOR !!!



75%

50%

# Percent

100%

Percent - the parts  
in each hundred/  
hundreth.

Strategy - When I  
think of percent I  
think of the percent  
sign (%).

25%

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Fractions

$\frac{1}{8}$

$\frac{4}{18}$

$\frac{5}{8}$

$\frac{7}{8}$

$\frac{1}{2}$

$\frac{5}{15}$

GO Fractions!

Proper Fraction! — fraction

less than 1

$\frac{2}{3}$

$\frac{3}{6}$

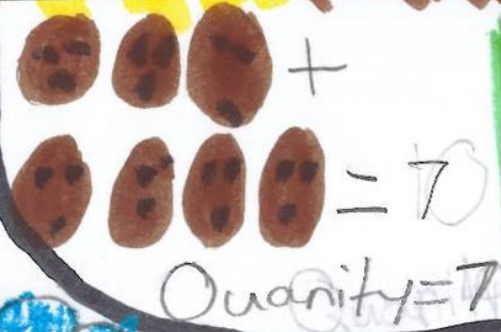
$\frac{1}{2}$

$\frac{3}{5}$

$\frac{2}{10}$



$$6+6=12 \text{ Quantity}=12$$


$$+ = 7$$

Quantity=7

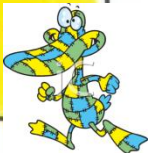
QUANTITY!!!

Strategy=  
highest  
amount

Defenition:  
the total  
amount

$$\text{Quantity}=60$$
$$30+30=60$$

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$$12 \div 6 = 2$$

2 is the  
quotient

$$9 \div 3 = 3$$

3 is the  
quotient

quotient !!! ③

A quotient is if you do  
 $6 \div 2 = 3$  then the  
answer (3) is a quotient.

a quotient is also  
that you can divide  
something by something  
and the answer is  
than a quotient

Grade 5 Unit 3



from : Dominique

RATIO

RATIO

OOOO

The comparison  
of two numbers  
by division

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$3:3$

$4:4$

$5:5$

$11:11$

$21:21$

$12:12$

$2/2$

$8/8$

$11/11$



20-18-16-14-12-10-8-6-4-2-0

reducing by two!

REDUCE!

$$\frac{2 \div 2}{4 \div 2} = \frac{1}{2}$$

I remember it by Reduce Reuse Recycle!

To make the number smaller!



$$\begin{array}{r}
 13 \overline{) 1783} \\
 \underline{61} \phantom{23} \\
 18 \phantom{3} \\
 \underline{-18} \phantom{3} \\
 00 \phantom{3} \\
 \phantom{00} 3
 \end{array}$$



Remainder!



Remainder  
is like  
say remain  
for an exam  
those two  
balloons only  
remain

What's left  
in a division  
problem



# REPEATING

## Decimals

Repeating  
Decimals

When you divide and  
the answer repeats  
itself

$$\begin{array}{r} 0.8\overline{3333} \\ 6 \overline{) 5.0000} \\ \underline{48} \phantom{00} \\ 20 \phantom{00} \\ \underline{18} \phantom{00} \\ 20 \phantom{00} \end{array}$$

Strategy

Repeating Decimals are decimal quotients with repeating digits

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math book

4,305 → 4,310

Rounding

Replacing a number  
with one that tells about  
how many or how much.

5 above give it a shove  
or below let it go

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