

# I CAN & DIVINE

CAN ULTIPLY



2 X 4 5 X 70 8 X 9

#### I CAN MULTIPLY 1-DIGIT BY 2-DIGIT

NUMBERS

(I can illustrate and explain the calculation by using equations, rectangular arrays and/or area models.)



2 × 12

## I can multiply

1-DIGIT BY 3-DIGIT NUMBERS

(I can illustrate and explain the calculation by using equations, rectangular arrays and/or area models.)



## I CAN MULTIPLY

l-digit by 4-digit NUMBERS

I can illustrate and explain the calculation by using equations. rectangular arrays and/or area models. 5 🗶 **26**78

## I CAN MULTIPLY

2-DIGIT BY 2

I can illustrate and explain the calculation by using equations, rectangular arrays and/or area models.

12 x

I can find all

## **FACTOR PAIRS**

OF A WHOLE NUMBER IN THE RANGE NF 1-100









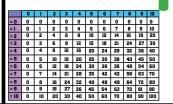
## I know if

A NUMBER IS PRIME

or composite

5 is Prime 12 is composite

## can divide within



## can divide

#### 2-digit by 2-digit numbers

I can illustrate and explain the calculation by using equations, rectangular arrays and/or area models. 78 ÷ 5

10 ÷ 5

**50** 25

Remainder of 3 78 = 15 x 5 + 3

#### I CAN DIVIDE

**3-DIGIT BY 1-DIGIT NUMBERS.** I can illustrate and explain the calculation by using equations, rectangular arrays and/or area models.

+ 5 + 110

80

Remainder of 7

 $135 = 16 \times 8 + 7$ 

I can illustrate and explain the calculation by using equations. rectangular arrays and/or area models

1570/2

750 + 35

785

#### **I CAN SOLVE DIVISION** PROBLEMS

WITH REMAINDERS

43 ÷ 7

## MULTIPLY **WITHIN**

2 X 4 5 X TO 8 X 9

## I CAN MULTIPLY 1-DIGIT BY 2-DIGIT NUMBERS

(I can illustrate and explain the calculation by using equations, rectangular arrays and/or area models.)



2 × 12

## I CAN MULTIPLY **1-DIGIT BY**

### **3-DIGIT NUMBERS**

(I can illustrate and explain the calculation by using equations, rectangular arrays and/or area models.)



## I CAN MULTIPLY



### NUMBERS

I can illustrate and explain the calculation by using equations, rectangular arrays and/or area models.

5 X 2678

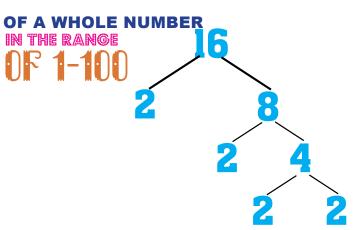
## I CAN MULTIPLY 2-DIGIT BY 2-DIGIT NUMBERS

I can illustrate and explain the calculation by using equations, rectangular arrays and/or area models

12 x 12

I can find all

## FACTOR PAIRS



# I KNOW MULTIPLES

2



6



## I know if A NUMBER IS PRIME

or composite

5 is Prime 12 is composite

# Icandivide within 100

	0	1	2	3	4	5	6	7	8	9	10
= 0	0	0	0	0	0	0	0	0	0	0	0
= 1	0	1	2	3	4	5	6	7	8	9	10
= 2	0	2	4	6	8	10	12	14	16	18	20
= 3	0	3	6	9	12	15	18	21	24	27	30
= 4	0	4	8	12	16	20	24	29	32	36	40
= 5	0	5	10	15	20	25	30	38	40	45	50
= 6	0	6	12	18	24	30	36	36	48	54	60
= 7	0	7	14	21	28	35	42	42	56	63	70
= 8	0	8	16	24	32	40	48	49	64	72	80
= 9	0	9	18	27	36	45	54	63	72	81	90
= 10	0	10	20	30	40	50	60	70	80	90	100

# I can divide

## 2-digit by 2-digit numbers

I can illustrate and explain the calculation by using equations, rectangular arrays and/or area models.

10 ÷ 5

50 25

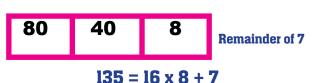
Remainder of 3 78 = 15 x 5 + 3

#### I CAN DIVIDE

3-DIGIT BY 1-DIGIT NUMBERS.

I can illustrate and explain the calculation by using equations, rectangular arrays and/or area models.

$$10 + 5 + 1$$



## I CAN DIVIDE

#### **4-DIGIT BY 1-DIGIT NUMBERS.**

I can illustrate and explain the calculation by using equations, rectangular arrays and/or area models

1570/2 750 + 35

1500 70

785

# I CAN SOLVE 2 STEP WORD PROBLEMS

LUKE HAD 17 MARBLES
HIS BROTHER HAD
2 TIMES AS MANY.

HOW MANY DID THEY
HAVE ALTOGETHER?

## I CAN SOLVE MULTI-STEP WORD PROBLEMS

MARIA HAD 3 RINGS. Her sister HAD 4 TIMES

as many as she did. Her sister then qave her 2.

How many does Maria have now?

How many does her sister have now?

How many do they have altogether?

# I CAN SOLVE BASIC MULTIPLICATION WORD PROBLEMS

THERE WERE 12 ROWS

OF APPLE TREES

THERE WERE 11

IN EACH ROW.

HOW MANY APPLE TREES WERE THERE? PCAN SOLME BASIC DIVISION WORD PROBLEMS

JAMAL HAD 10 RINGS. He shared them with his brother. They now have the same amount.

WRITE AN EQUATION

FOR THIS PROBLEM

$$10 \div 2 = 5$$

I CAN SOLVE THE 3 TYPES
OF MULTIPLICATIVE
COMPARISON
WORD PROBLEMS

SUE HAS 9

BRACELETS

SHE HAS 3 TIMES AS MANY AS HER SISTER HAVE?

 $9 \div 3 = 3$ 

# I CAN INTERPRET THE REMAINDER.

#### HONG HAD 14 TOYS

HE SHARED THEM BETWEEN HIS 2 FRIENDS AND HIMSELF.

How many did each person get?





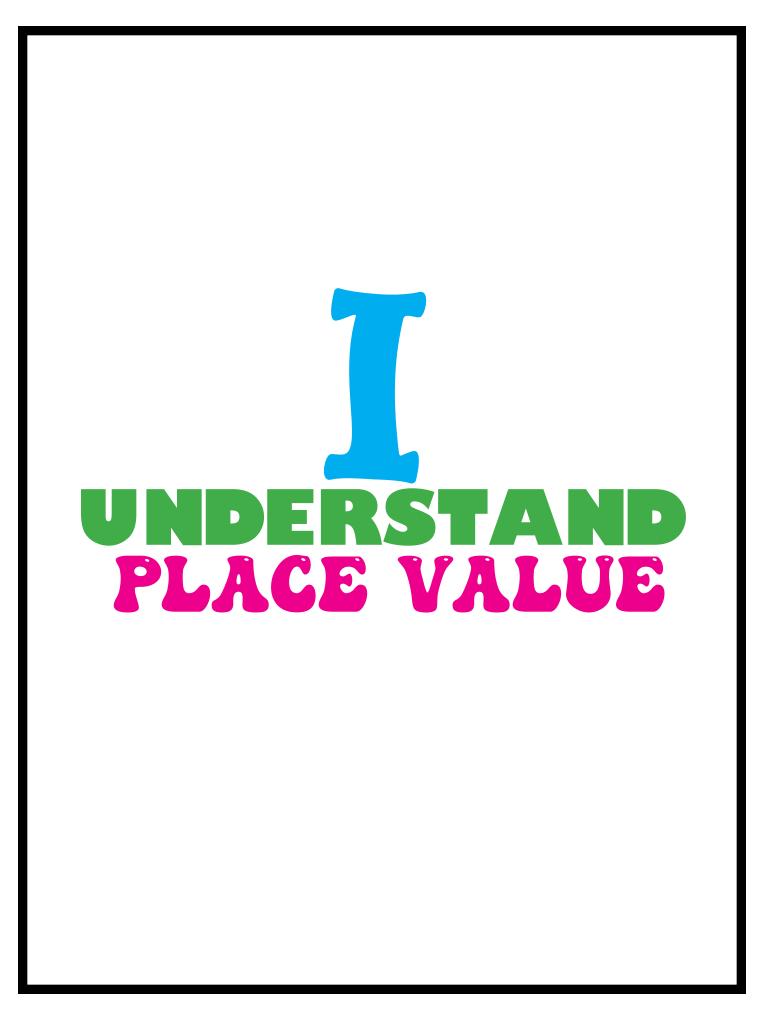


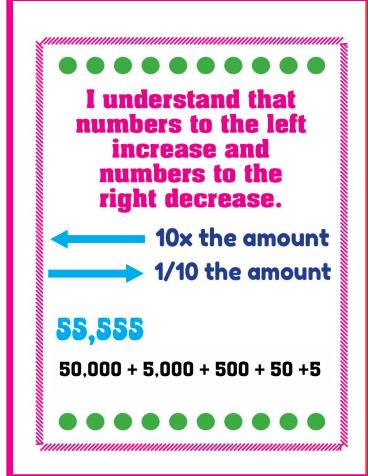


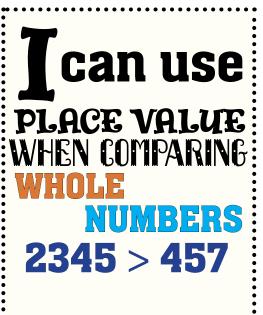
I CAN GENERATE A NUMBER PATTERN THAT FOLLOWS A GIVEN RULE.

Make a pattern that shows a number BEING MULTIPLIED BY 5.

5 10 15 20 25 30 35 40 45 50....







I CAN TALK ABOUT
NUMBERS IN EXPANDED
FORM, STANDARD FORM
AND WORD FORM.

**2570 = 2000 + 500 + 70 + 0** 

TWO THOUSAND FIVE HUNDRED SEVENTY

I CAN COMPARE
NUMBERS USING
>, =, AND < SYMBOLS
2345 > 1236

# I can round NUMBERS TO ANY PLACE.

I CAN ADD MULTI-DIGIT NUMBERS

2567 rounds to 3000

**2578+8907** 

I CAN
SUBTRACT
MULTI-DIGIT
NUMBERS.
2000 - 99

# UNDERSTAND FRACTIONS

I CAN DECOMPOSE A FRACTION
IN MORE THAN ONE WAY

I CAN JUSTIFY DECOMPOSITIONS
BY USING A VISUAL FRACTION
MODEL.

$$\frac{5}{10} = \frac{2}{10} + \frac{3}{10}$$

I CAN RECOGNIZE AND GENERATE EQUIVALENT FRACTIONS.

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

I CAN COMPARE FRACTIONS WITH DIFFERENT NUMERATORS AND DIFFERENT DENOMINATORS.

I CAN RECORD THE RESULT OF COMPARISONS WITH SYMBOLS

>, =, or <, and justify the conclusions e.g., by using a visual fraction model.

$$\frac{1}{3}$$
 >  $\frac{1}{6}$ 

I CAN ADD MIXED NUMBERS WITH LIKE DENOMINATORS

$$1\frac{1}{3} + \frac{2}{3}$$

I CAN SUBTRACT NUMBERS WITH LIKE DENOMINATORS

$$2\frac{4}{5} - \frac{1}{5}$$

I CAN ADD FRACTIONS WITH LIKE DENOMINATORS

$$\frac{1}{10}+\frac{3}{10}$$

I CAN SUBTRACT FRACTIONS
WITH LIKE DENOMINATORS

$$\frac{5}{10} - \frac{4}{10}$$

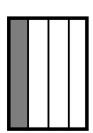
I can solve addition fraction word problems by using visual fraction models and equations to represent the problem.

RAUL RAN 2/10 OF A MILE IN THE MORNING AND 5/10 OF A MILE IN THE AFTERNOON.

HOW FAR DID HE RUNP  $\frac{1}{10} \ \frac{2}{10} \ \frac{3}{10} \ \frac{4}{10} \ \frac{5}{10} \ \frac{6}{10} \ \frac{7}{10} \ \frac{8}{10} \ \frac{9}{10} \ 1$ 

# PROBLEMS BY USING VISUAL FRACTION MODELS AND EQUATIONS TO REPRESENT THE PROBLEM

GRANDMA MADE A CAKE. THE KIDS
ATE 1/4 OF IT.
HOW MUCH IS LEFT?



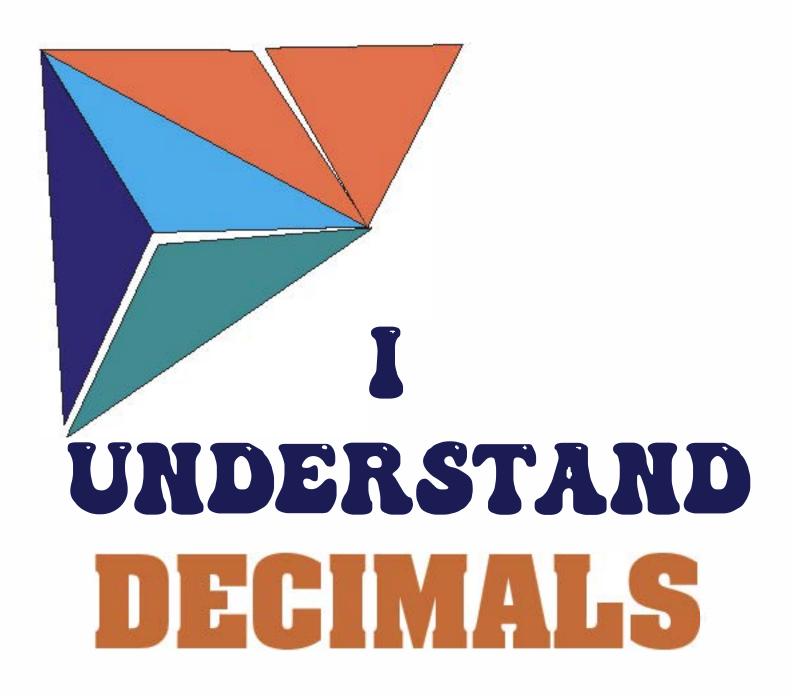
# I CAN MULTIPLY A FRACTION BY A WHOLE NUMBER.

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

I CAN SOLVE WORD PROBLEMS INVOLVING
MULTIPLICATION OF A FRACTION BY A
WHOLE NUMBER BY USING VISUAL
FRACTION MODELS AND EQUATIONS TO
REPRESENT THE PROBLEM

MARY RAN 1/4 OF A MILE FOR 3 DAYS. HOW FAR DID SHE RUN?

$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$$



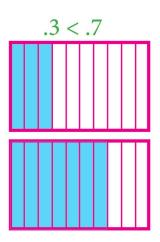
I can express a fraction with a denominator 10 as an equivalent fraction with a denominator of 100. I can add two fractions with denominators of 100

$$\frac{2}{10} = \frac{20}{100}$$

I can use decimal notation for fractions with denominators 100.

$$.10 = \frac{1}{10}$$

I can compare 2 decimals to hundredths by reasoning about their size.



I can record the results of comparisons with the symbols.

.50 > .25

I can talk about whole numbers through 1,000,000,000 and decimals to the hundredths using expanded notation and numerals.

2570 = 2000 + 500 + 70 + 0

TWO THOUSAND FIVE HUNDRED SEVENTY I can model decimals using different visual models and money.



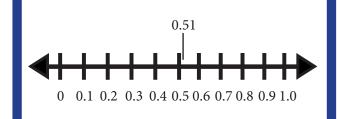




I can relate decimals to fractions that name tenths and hundredths.

$$.50 = \frac{5}{10}$$

I can find, place and identify decimals on a number line.



I can compare whole numbers to I billion using symbols.

2,345,600 > 2,159,900

I can order numbers to I billion.

2,345,678 comes before 2,789,345

I can round numbers to the hundred thousands place

**245**,909 ≈ **200**,000

I can decompose a fraction into unit fractions.

$$\frac{4}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$$

- I can decompose a
- fraction in more than 1
- way.

$$\frac{4}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$$
$$= \frac{3}{5} + \frac{1}{5}$$

I can generate equivalent
fractions using different
methods.

$$\frac{2}{3}=\frac{4}{6}$$

I can compare 2 fractions with different numerators and different denominators with symbols.

$$\frac{2}{3} > \frac{1}{6}$$

I can add fractions with equal denominators using different models and properties.

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

I can subtract fractions with equal denomonators using different models and properties.

$$\frac{4}{8} - \frac{3}{8} = \frac{1}{8}$$

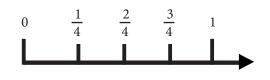
I can reason about sums of fractions using benchmark fractions.

$$\frac{1}{2} + \frac{3}{2}$$

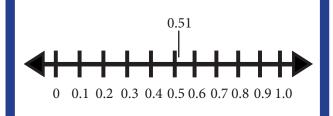
This is more than 1

I can reason about differences of fractions using benchmark fractions.

9 5 8 8 This is less than 1 I can model fractions on a number line.



I can represent decimals on a number line.



I can add whole numbers.

2456 + 1999 = 4,455

# I can subtract whole numbers.

6000 - 2999 = 3001

# I can add decimals.

.27 + .28 = .55

I can subtract decimals.

.49 - .25 = .24

I can multiply a number by 10 using different properties and place value.

 $25 \times 10 = 250$ 

- I can multiply a
  - number by 100
- using different
- properties and
- place value.

 $25 \times 100 = 2500$ 

- I can multiply 2
- two-digit numbers
- using arrays, area
- models or equations.

 $12 \times 12 = 144$ 

I can divide up to a 4 digit number by a 1 digit number using arrays, area models or equations.

 $4004 \div 4 = 2002 \div 2 = 1001$ 

I can round numbers.

**5098 ≈ 5000** 

I can solve 2-step multiplication problems.

Susie had 5 bags with 10 marbles. She gave away 2 bags. How many marbles does she have left?

I can solve 2-step division problems with remainders.

There were 36 marbles. The store put them in 4 bags. They sold 2 of the bags. How many marbles are left?

 $36 \div 4 = 9$   $2 \times 9 = 18$ 

36 - 18 = 18

I can solve multi-step problems with strip diagrams and equations.

My brother has 5 marbles. I have 3 times as many. How many do we have altogether?

5

5 5 5





CAN MULTIPLY WITHIN 100

2 X 4

5 X 10

8 X 9



GREAT MATH WORK,



CAN MULTIPLY I-DIGIT BY 2-DIGIT NUMBERS

2 X 12





# CAN MULTIPLY I-DIGIT BY 3-DIGIT NUMBERS





GREAT MATH WORK,



CAN MUTTIPTY I-DIGIT BY 4-DIGIT NUMBERS

5 X 2678





CAN MULTIPLY 2-DIGIT BY 2-DIGIT NUMBERS

12 X 12



GREAT MATH WORK,



CAN FIND ATT FACTOR PAIRS OF A WHOTE NUMBER IN THE RANGE OF 1-100





KNOWS MULTIPLES

2468



GREAT MATH WORK,



KNÖWS IF A NUMBER IS PRIME ÖR CÖMPÖSITE

5 is Prime

**12** is Composite





## CAN DIVIDE WITHIN 100



# GREAT MATH WORK,



CAN DIVIDE 2-DIGIT BY 2-DIGIT NUMBERS

78 ÷ 5

10 ÷ 5

**50 | 25** 

Remainder of 3

 $78 = 15 \times 5 + 3$ 





## CAN DIVIDE 3-DIGIT BY 1-DIGIT NUMBERS

10 + 5 + 1

80 40 8

Remainder of 7

135 ÷ 8

 $135 = 16 \times 8 + 7$ 



GREAT MATH WORK,



CAN SÖLVE WÖRD PRÖBLEMS





## CAN SÖLVE 2 STEP PRÖBLEMS

0	Zuke has 17 marbles his bröther had 2 times
0	as many. Höw many did they have altögether?
0	
0	
O	



# GREAT MATH WORK,



## CAN SÖLVE MULTI-STEP PRÖBLEMS

- O Marja had 3 rings. Her sister had 4 times as
- omany as she did. Her sister then gave her 2.
- Höw many döes Maria have nöw?
- Höw many döes her sister have nöw?
- O Höw mamnydö they have attögether?





# CAN SÖLVE BASIC MULTIPLICATIÖN WÖRD PRÖBLEMS

- There were 12 rows of apple trees. There were
- Olo in each röw. Höw many apples trees were
- othere?



# GREAT MATH WORK,



## CAN SÖLVE BASIC DIVISIÖN WÖRD PRÖBLEMS

- O Jamaz had 10 rings. He shared them with
- his bröther. They have now the same
- omount. Write an equation for this
- Problem.





# CAN SÖLVE 3 TYPES ÖF MULTIPLICATIVE CÖMPARISÖN WÖRD PRÖBLEMS

- Sue has 9 bracetets. Shae has 3 times as many as
  - her sister. Höw many döes her sister have?



# GREAT MATH WORK,



## CAN INTERPRET THE REMAINDER

- Höng had 4 töys. He shared them with
- his 2 friends. Höw many did each persön
- O get?





# CAN GENERATE A NUMBER PATTERN THAT FÖLLÖWS A GIVEN RULE



GREAT MATH WORK,



UNDERSTANDS PLACE VALUE





Understands that numbers to the Left increase and numbers to the right decrease.

10x the amount
1/10 the amount

55,555

50,000 + 5,000 + 500 + 50 +5



GREAT MATH WORK,



CAN USE PLACE VALUE WHEN COMPARING WHÖLE NUMBERS

**2345** > **457** 





# CAN TAYK ABÖUT NUMBERS IN EXPANDED FÖRM, STANDARD FÖRM AND WÖRD FÖRM

**2570 = 2000 + 500 + 70 + 0** 

TWÖ THÖUSAND FIVE HUNDRED SEVENTY



GREAT MATH WORK,



CAN COMPARE NUMBERS USING >, =, AND < SYMBOLS

**2345 > 1236** 





# CAN RÖUND NUMBERS TÖ THE HUNDRED THÖUSAND PYACE

2567 rounds to 3000



GREAT MATH WORK,



CAN ADD MULTI-DIGIT NUMBERS

**2578** + 8907





## CAN SUBTRACT MULTI-DIGIT NUMBERS







# GREAT MATH WORK,



## CAN UNDERSTAND FRACTIONS

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



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





## CAN DECÖMPÖSE A FRACTIÖN IN MÖRE THAN ÖNE WAY

$$\frac{5}{10} = \frac{2}{10} \div \frac{3}{10}$$



GREAT MATH WORK,



CAN RECÖGNIZE AND GENERATE EQUIVATENT FRACTIONS





CAN CÖMPARE FRACTIÖNS WITH DIFFERENT NUMERATÖRS AND DIFFERENT DENÖMINATÖRS

$$\frac{1}{3}$$
 >  $\frac{1}{6}$ 



GREAT MATH WORK,



CAN RECORD THE RESULT OF COMPARISONS WITH SYMBOLS

 $\frac{2}{3}$  >  $\frac{1}{6}$ 





#### CAN ADD MIXED NUMBERS WITH LIKE DENOMINATORS

$$\frac{1}{1}/3 + \frac{2}{3}$$

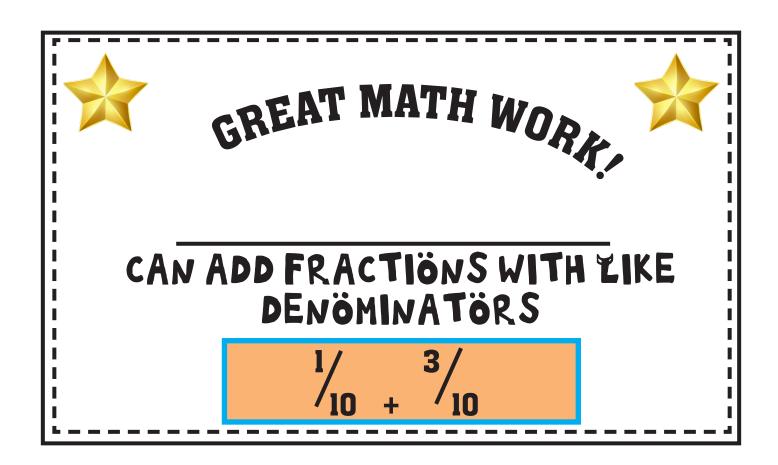


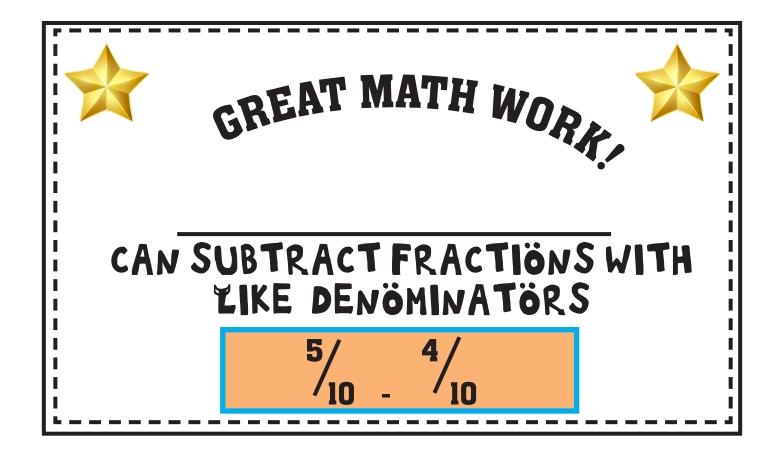
GREAT MATH WORK,



CAN SUBTRACT MIXED NUMBERS WITH LIKE DENOMINATORS

2/5 - 1/5

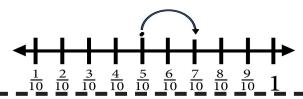








CAN SÖLVE ADDITIÖN FRACTIÖN WÖRD PRÖBLEMS BY USING VISUAL FRACTIÖN MÖDELS AND EQUATIONS TÖ REPRESENT THE PRÖBLEM

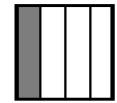




# GREAT MATH WORK,



CAN SÖLVE SUBTRACTIÖN FRACTIÖN WÖRD PRÖBLEMS BY USING VISUAL FRACTIÖN MÖDELS AND EQUATIONS TÖ REPRESENT THE PRÖBLEM







#### CAN MULTIPLY A FRACTION BY A WHOLE NUMBER

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

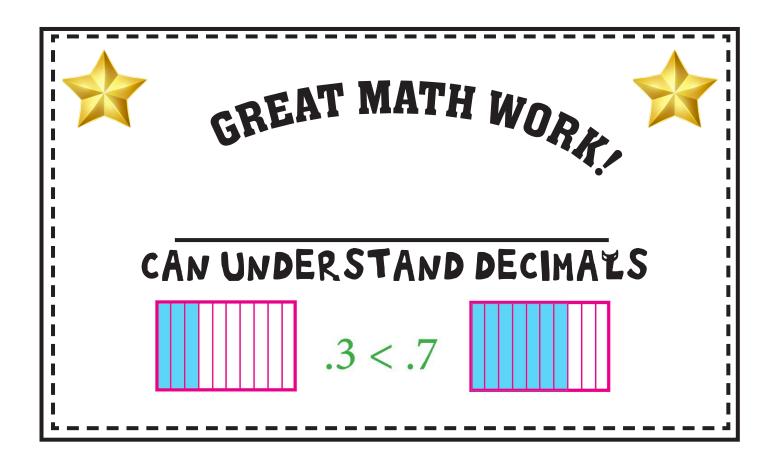


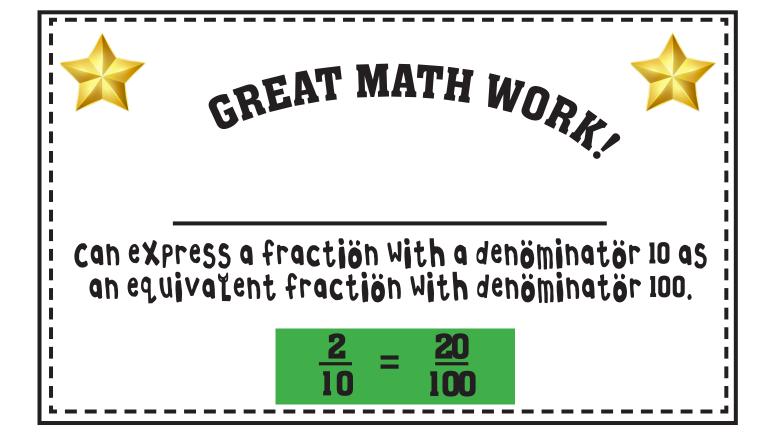
# GREAT MATH WORK,



CAN SÖLVE WÖRD PRÖBLEM S INVÖLVING MULTIPLICATIÖN ÖF A FRACTIÖN BY A WHÖLE NUMBER USING MÖDELS AND EQUATIONS TÖ REPRESENT THE PRÖBLEM

$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$$



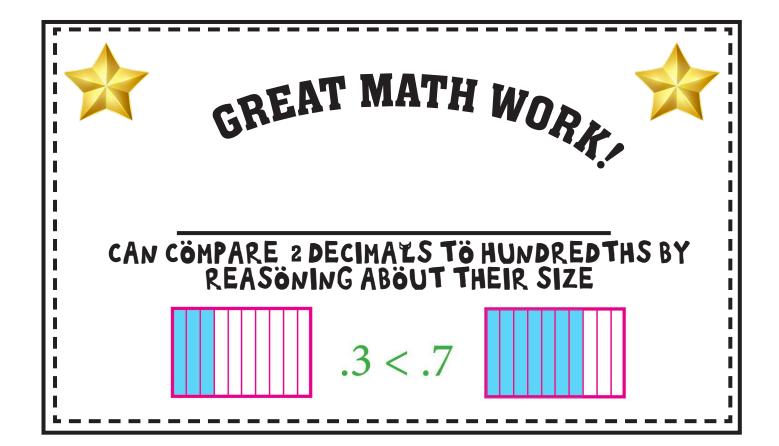






CAN USE DECIMAL NÖTATIÖN FÖR FRACTIÖNS WITH DENÖMINATÖRS 10 ÖR 100

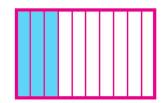
$$.10 = \frac{1}{10}$$



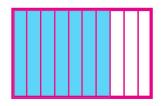




CAN RECÖGNIZE THE CÖMPARISÖNS ARE VAYID ÖNYY WHEN THE TWÖ DECIMAYS REFER TÖ THE SAME WHÖYE



.3 < .7





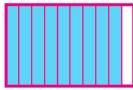
GREAT MATH WORK,



CAN RECORD THE RESULTS OF COMPARISONS WITH THE SYMBOLS >, =, OR <, AND JUSTIFYING THE CONCLUSIONS, E.G., BY USING A VISUAL MODEL



.5 < .9







can express a fraction with a denominator 10 as an equivazent fraction with denominator 100, and use this technique to add two fractions with respective denominators 10 and 100

$$\frac{2}{10} = \frac{20}{100}$$



GREAT MATH WORK!



can use decimal nötatiön för fractiöns With deniminatörs 10 ör 100.

$$.10 = \frac{1}{10}$$





can cömpare 2 decimals tö hundredths by reasöning aböut their size.







GREAT MATH WORK!



can record the results of comparisons with the Symbols

.50 > .25





can talk about whole numbers through 1,000,000,000 and decimals to the hundredths using expanded notation and numerals.

2570 = 2000 + 500 + 70 + 0 TWO THOUSAND FIVE HUNDRED SEVENTY



GREAT MATH WORK!



can mödez decimazs using different visuaz mödezs and möney.





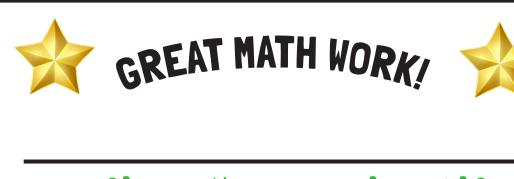




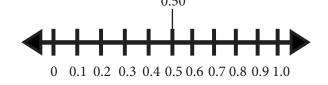


can relate
decimals to fractions that name tenths
and hundredths.

$$.50 = \frac{5}{10}$$



can find, place and identify decimals on a number line.







can cömpare whöze numbers tö 1 bizzion using symbözs.

2,345,600 > 2,159,900



GREAT MATH WORK!



can örder numbers tö Ibilliön.

2,456, 2589, 3,500





can röund numbers tö the hundred thöusands.

**245,909** ≈ **200,000** 



GREAT MATH WORK!



can decompose a fraction into unit fractions.

$$\frac{4}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$$





Can decompose a fraction in more than 1 way.  $\frac{4}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$ 



GREAT MATH WORK!



can generate equivazent fractions using different methods.

$$\frac{2}{3}=\frac{4}{6}$$





can compare 2 fractions with different numerators and different denominators with symbols.

$$\frac{2}{3} > \frac{1}{6}$$



GREAT MATH WORK!



can add fractions with equal denominators using different models and properties.

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





can subtract fractions with equal denomonators using different models and properties.

$$\frac{4}{8} - \frac{3}{8} = \frac{1}{8}$$



GREAT MATH WORK!



can reason about sums of fractions using benchmark fractions.

$$\frac{1}{2} + \frac{3}{2}$$

This is more than 1





can reason about differences of fractions using benchmark fractions.

 $\frac{9}{8} - \frac{5}{8}$ This is less than 1



GREAT MATH WORK!



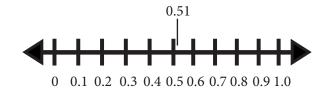
can mödel fractions ön a number line.

$$0 \qquad \frac{1}{4} \qquad \frac{2}{4} \qquad \frac{3}{4} \qquad 1$$





can represent decimats ön a number line.





GREAT MATH WORK!



can add whole numbers.

2456 + 1999 = 4,455





can subtract whole numbers.

6000 **- 2999** = 3001



GREAT MATH WORK!



can add decimals.

.27 + .28 = .55





## can subtract decimals.

.49 -.25 = .24



#### GREAT MATH WORK!



can multiply a number by 10 using different properties and place value.

 $25 \times 10 = 250$ 





can multiply a number by 100 using different properties and place value.

 $25 \times 100 = 2500$ 



#### GREAT MATH WORK!



can multiply 2 two-digit numbers using arrays. area models or equations.

 $12 \times 12 = 144$ 





can divide up tö a 4-digit number by a 1-digit number using arrays, area mödels ör equations.

4004 ÷ 4 = 2002 ÷ 2 = 1001



GREAT MATH WORK!



can röund numbers.

**5098** ≈ **5000** 





can sözve 2-step muztipzication pröbzems.

Susie had 5 bags with 10 marbles. She gave away 2 bags. How many marbles does she have left?



GREAT MATH WORK!



can sölve 2-step divisiön pröblems with remainders.

25 ÷ 2





#### can sölve multi-step pröblems with strip diagrams and equations.

My brother has 5 marbles. I have 3 times as many. How many do I have?

5

5 5 5

### ICAN MULTIPLY AND DIVIDE

# I CAN MULTIPLY WITHIN 100

2 × 4 5 × 10 8 × 9

#### CAN MULTIPLY 1-01GIT BY 2-01GIT MUMBERS

I CAN ILLUSTRATE AND EXPLAIN THE CALCULATION BY USING EQUATIONS, RECTANGULAR ARRAYS AND/OR AREA MODELS.

2 % 12

#### I CAN MULTIPLY 1-DIGIT BY 3-DIGIT

#### NUMBERS

I CAN ILLUSTRATE AND EXPLAIN THE CALCULATION BY USING EQUATIONS, RECTANGULAR ARRAYS AND/OR AREA MODELS.

3 \* 135

# I CAN MULTIPLY 1-DIGIT BY 4-DIGIT NUMBERS

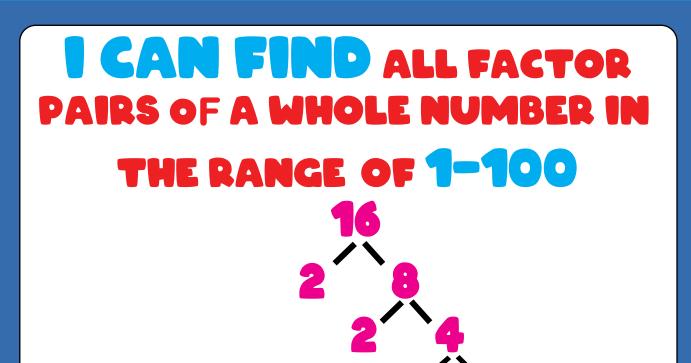
(RECTANGULAR ARRAYS AND/OR AREA MODELS.)
I CAN ILLUSTRATE AND EXPLAIN THE
CALCULATION BY USING EQUATIONS,
RECTANGULAR ARRAYS AND/OR AREA
MODELS.

5 × 2678

#### I CAN MULTIPLY 2=DIGIT BY 2=DIGIT NUMBERS

I CAN ILLUSTRATE AND EXPLAIN THE CALCULATION BY USING EQUATIONS, DECTANGULAR ARRAYS AND/OR AREA MODELS.

12 2 12





# I KNOW IF A NUMBER IS PRIME OR COMPOSITE 5 IS PRIME 12 IS COMPOSITE

# I CAN DIVIDE WITHIN 100

	0	1	2	3	4	5	6	7	8	9	10
=0	0	0	0	0	0	0	0	0	0	0	0
=1	0	1	2	3	4	5	6	7	8	9	10
=2	0	2	4	6	8	10	12	14	16	18	20
=3	0	3	6	9	12	15	18	21	24	27	30
=4	0	4	8	12	16	20	24	29	32	36	40
=5	0	5	10	15	20	25	30	38	40	45	50
=6	0	6	12	18	24	30	36	36	48	54	60
=7	0	7	14	21	28	35	42	42	56	63	70
=8	0	8	16	24	32	40	48	49	64	72	80
= 9	0	9	18	27	36	45	54	63	72	81	90
=10	0	10	20	30	40	50	60	70	80	90	100

#### I CAN DIVIDE 2-DIGIT BY 1-DIGIT NUMBERS

I CAN ILLUSTRATE AND EXPLAIN THE CALCULATION BY USING EQUATIONS, RECTANGULAR ARRAYS AND/OR AREA MODELS.

78 ÷ 5

10 ÷ 5 50 25

REMAINDER OF 3

 $78 = 15 \times 5 + 3$ 

#### I CAN DIVIDE

3-DIGIT BY 1-DIGIT NUMBERS.
I CAN ILLUSTRATE AND EXPLAIN THE
CALCULATION BY USING EQUATIONS,
RECTANGULAR ARRAYS AND/OR AREA MODELS.

$$10 + 5 + 1$$

**Remainder of 7** 

$$135 = 16 \times 8 + 7$$

# I CAN DIVIDE 4-DIGIT BY 1-DIGIT NUMBERS AN ILLUSTRATE AND EXPLAIN THE CALCULATION

CAN ILLUSTRATE AND EXPLAIN THE CALCULATION BY USING EQUATIONS, RECTANGULAR ARRAYS AND/OR AREA MODEL.

1570 - 2

**750 + 35** 

1500 70

785

# I CAN SOLVE DIVISION PROBLEMS WITH REMAINDERS

 $6 \times 7 + 1$ 

## I CAN SOLVE WORD PROBLEMS

2-STEP WORD PROBLEMS
LUKE HAD 17 MARBLES.
HIS BROTHER HAD 2 TIMES AS
MANY.
HOW MANY DID THEY
HAVE ALTOGETHER?

#### I CAN SOLVE MULTI-STEP WORD PROBLEMS

Maria had 3 rings. Her sister HAD 4 TIMES as many as she did. Her sister then gave her 2.

HOW MANY DOES MARIA HAVE NOW?
HOW MANY DOES HER SISTER HAVE
NOW?
HOW MANY DO THEY HAVE ALTOGETHER?

# I CAN SOLVE BASIC MULTIPLICATION WORD PROBLEMS

THERE WERE 12 ROWS OF APPLE TREES.
THERE WERE 10 IN EACH ROW.

**HOW MANY APPLE TREES WERE THERE?** 

#### I CAN SOLVE BASIC DIVISION WORD PROBLEMS

JAMAL HAD 10 RINGS. HE SHARED
THEM WITH HIS BROTHER. THEY NOW
HAVE THE SAME AMOUNT.
WRITE THE EQUATION IN THE BOX.

10 ÷ 2 = 5

I CAN SOLVE THE 3 TYPES OF MULTIPLICATIVE COMPARISON WORD PROBLEMS

SUE HAS 9 BRACELETS.
SHE HAS 3 TIMES AS MANY AS
HER SISTER.
HOW MANY DOES HER SISTER
HAVE?

 $9 \div 3 = 3$ 

I CAN INTERPRET THE REMAINDER HONG HAD 14 TOYS. HE SHARED THEM BETWEEN HIS 2 FRIENDS AND HIMSELF.
HOW MANY DID EACH PERSON GET?



I CAN GENERATE A NUMBER PATTERN THAT FOLLOWS A GIVEN RULE.

5 10 15 20 25 30 35 40 45 50.....

### UNDERSTAND PLACE YALUE

### UNDERSTANDS THAT NUMBERS TO THE LEFT INCREASE AND NUMBERS TO THE RIGHT DECREASE.



**55.555** 50,000 + 5,000 + 500 + 50 +5

## I CAN TALK ABOUT NUMBERS IN EXPANDED FORM, STANDARD FORM AND WORD FORM

2570=2000+500+70+0

TWO THOUSAND FIVE HUNDRED SEVENTY

I CAN USE
PLACE VALUE WHEN
COMPARING
WHOLE NUMBERS
2345 > 457

#### I CAN COMPARE NUMBERS USING

>, =, AND < SYMBOLS

2345 > 1236

#### I CAN ROUND NUMBERS TO THE HUNDRED THOUSAND PLACE

256,789 ROUNDS TO 300,000

## I CAN ADD MULTI-DIGIT NUMBERS

2578+8907

# I CAN SUBTRACT MULTI-DIGIT NUMBERS 2000 - 99

## UNDERSTAND FRACTIONS

#### I CAN DECOMPOSE FRACTIONS IN MORE THAN ONE WAY

CAN JUSTIFY DECOMPOSITIONS BY USING A VISUAL FRACTION MODEL.

$$\frac{5}{10} = \frac{2}{10} + \frac{3}{10}$$

$$\frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} = \frac{1}{10} \frac{1}{10} + \frac{1}{10} \frac{1}{10} \frac{1}{10}$$

### I CAN RECOGNIZE AND GENERATE EQUIVALENT FRACTIONS

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

I CAN COMPARE FRACTIONS WITH DIFFERENT NUMERATORS AND DIFFERENT DENOMINATORS
I CAN RECORD THE RESULT OF COMPARISONS WITH SYMBOLS

AND JUSTIFY THE CONCLUSIONS, E.G. BY USING A VISUAL FRACTION MODEL.

$$\frac{1}{3} > \frac{1}{6}$$

I CAN ADD MIXED NUMBERS WITH LIKE DENOMINATORS

 $1\frac{1}{3}+\frac{2}{3}$ 

I CAN SUBTRACT MIXED NUMBERS WITH LIKE DENOMINATORS

2 4 - 1 5

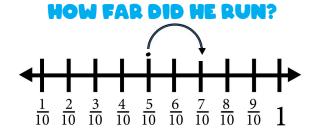
I CAN ADD FRACTIONS WITH LIKE DENOMINATORS

 $\frac{1}{10} + \frac{3}{10}$ 

I CAN SUBTRACT FRACTIONS WITH LIKE DENOMINATORS

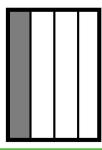
5 10 - 4 10 I CAN SOLVE ADDITION FRACTION WORD PROBLEMS BY USING VISUAL FRACTION MODELS AND EQUATIONS TO REPRESENT THE PROBLEM

RAUL RAN 2/10 OF A MILE IN THE MORNING AND 5/10 OF A MILE IN THE AFTERNOON.



#### I CAN SOLVE SUBTRACTION FRACTION WORD PROBLEMS BY USING VISUAL FRACTION MODELS AND EQUATIONS TO REPRESENT THE PROBLEM

GRANDMA MADE A CAKE.
THE KIDS ATE 1/4 OF IT.
HOW MUCH IS LEFT?



### I CAN MULTIPLY A FRACTION BY A WHOLE NUMBER

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

I CAN SOLVE WORD PROBLEMS INVOLVING
MULTIPLICATION OF A FRACTION BY A WHOLE NUMBER
BY USING VISUAL FRACTION MODELS AND EQUATIONS
REPRESENTING
THE PROBLEM

MARY RAN 1/4 OF A MILE FOR 3 DAYS. HOW FAR DID SHE RUN?

#### UNDERSTAND DECIMALS

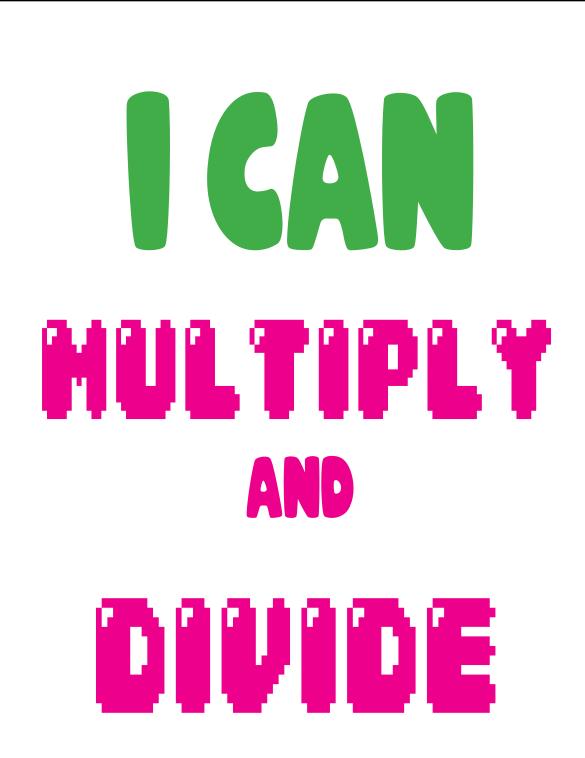
I CAN EXPRESS A FRACTION
WITH A DENOMINATOR 10 AS AN
EQUIVALENT FRACTION WITH A
DENOMINATOR OF 100.
I CAN ADD TWO FRACTIONS
WITH DENOMINATORS OF 100

$$\frac{2}{10} = \frac{20}{100}$$

## I CAN USE DECIMAL NOTATION FOR FRACTIONS WITH DENOMINATORS 10 AND 100

$$.10 = \frac{1}{10}$$

I CAN COMPARE 2 DECIMALS TO HUNDREDTHS BY REASONING ABOUT THEIR SIZE.



#### I CAN MULTIPLY

WITHIN 100

X	1	2	3	4	5	6	7	8	9	10	11	12
<b>A</b>	-		120		-				-	10		1.2
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

2 X 4 5 X 10 8 X 9

CAN MULTIPLY
1-DIGIT BY 2-DIGIT

NUMBERS
I CAN ULUSTRATE AND EXPLAIN TUE
CALGULATION DY USING EQUATIONS,
DESTAUGULAR ARRAYS AND FOR AREA MODELS.

2 % 12

# 1-DIGIT BY 3-DIGIT NUMBERS

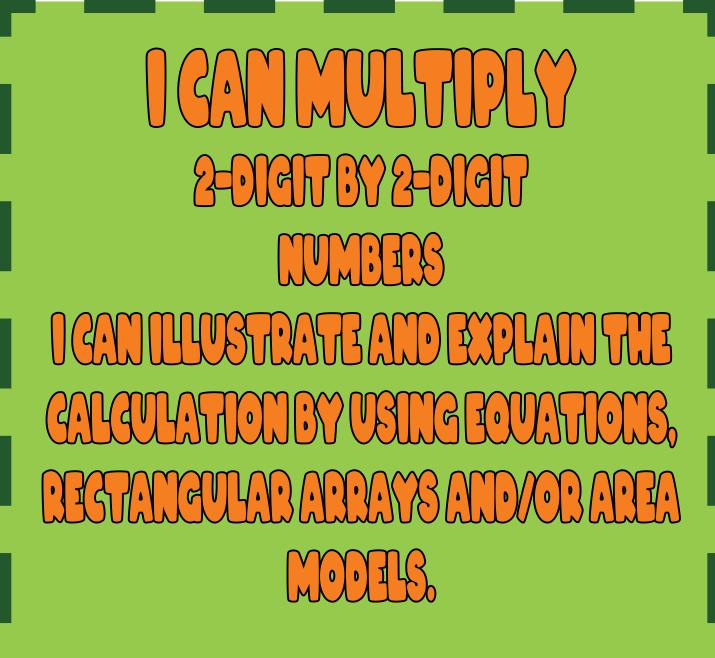
I CAN ILLUSTRATE AND EXPLAIN THE CALCULATION BY USING EQUATIONS, RECTANGULAR ARRAYS AND/OR AREA MODELS.

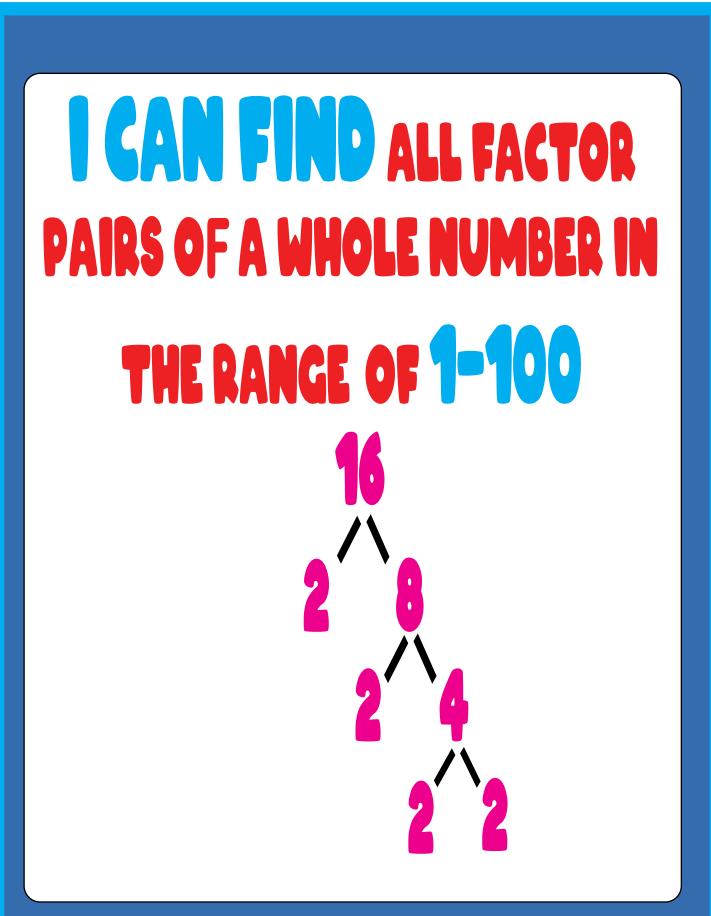


## I CAN MULTIPLY 1-DIGIT BY 4-DIGIT NUMBERS

(RECTANGULAR ARRAYS AND/OR AREA MODELS.)
I CAN ILLUSTRATE AND EXPLAIN THE
CALCULATION BY USING EQUATIONS,
RECTANGULAR ARRAYS AND/OR AREA
MODELS.

5 X 2678







IKNOWIF A NUMBER IS PRIME OR COMPOSITE 5 IS PRIME 12 IS COMPOSITE

## I CAN DIVIDE WITHIN 100

	0	1	2	3	4	5	6	7	8	9	10
=0	0	0	0	0	0	0	0	0	0	0	0
=1	0	1	2	3	4	5	6	7	8	9	10
=2	0	2	4	6	8	10	12	14	16	18	20
=3	0	3	6	9	12	15	18	21	24	27	30
=4	0	4	8	12	16	20	24	29	32	36	40
=5	0	5	10	15	20	25	30	38	40	45	50
=6	0	6	12	18	24	30	36	36	48	54	60
=7	0	7	14	21	28	35	42	42	56	63	70
=8	0	8	16	24	32	40	48	49	64	72	80
=9	0	9	18	27	36	45	54	63	72	81	90
=10	0	10	20	30	40	50	60	70	80	90	100

### I CAN DIVIDE 2-DICT DY 1-DICT MANDERS

ON USING EQUATIONS, CESTANGULAD ACCAYS
ADDYOD ACCAMODELS.

78 ÷ 5

REMAINDER OF 3

 $78 = 15 \times 5 + 3$ 

#### I CAN DIVIDE

3-DIGIT BY 1-DIGIT NUMBERS
I CAN ILLUSTRATE AND EXPLAIN THE
CALCULATION BY USING EQUATIONS,
RECTANGULAR
ARRAYS AND/OR AREA MODELS.

135 ÷ 8

Remainder of 7

 $135 = 16 \times 8 + 7$ 

I CAN DIVIDE

4-DIGIT BY 1-DIGIT NUMBERS

I CAN ILLUSTRATE AND EXPLAIN THE CALCULATION
BY USING EQUATIONS, RECTANGULAR ARRAYS
AND/OR AREA MODELS

1570 - 2

750 + 35

1500 70

**785** 

# I CAN SOLVE DIVISION PROBLEMS WITH REMAINDERS



6 x 7 + 1

I CAN SOLVE 2-STEP WORD PROBLEMS LUKE HAD 17 MARBLES HIS BROTHER HAD 2 TIMES AS MANY. HOW MANY DID THEY HAVE ALTOGETHER?

#### I CAN SOLVE MULTI-STEP WORD PROBLEMS

Maria had 3 rings. Her sister HAD 4 TIMES as many as she did. Her sister then gave her 2.

HOW MANY DOES MARIA HAVE NOW?

HOW MANY DOES HER SISTER HAVE

NOW?

HOW MANY DO THEY HAVE ALTOGETHER?

## I CANSOLVE BASIC MULTIPLICATION WORD PROBLEMS

THERE WERE 12 ROWS OF APPLE TREES.
THERE WERE 10 IN EACH ROW.

HOW MANY APPLE TREES WERE THERE?

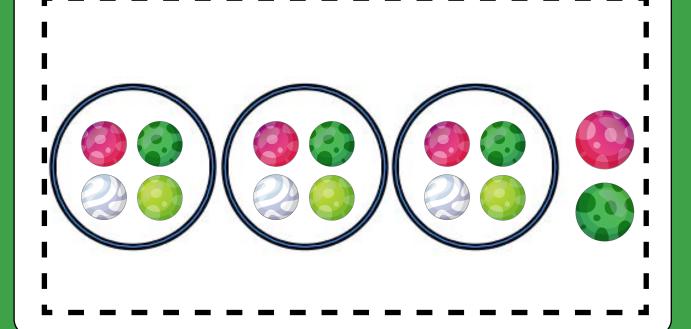
I CAN SOLVE
BASIC DIVISION WORD PROBLEMS

JAMAL HAD 10 RINGS. HE SHARED
THEM WITH HIS BROTHER. THEY NOW
HAVE THE SAME AMOUNT.
WRITE THE EQUATION FOR THIS PROBLEM

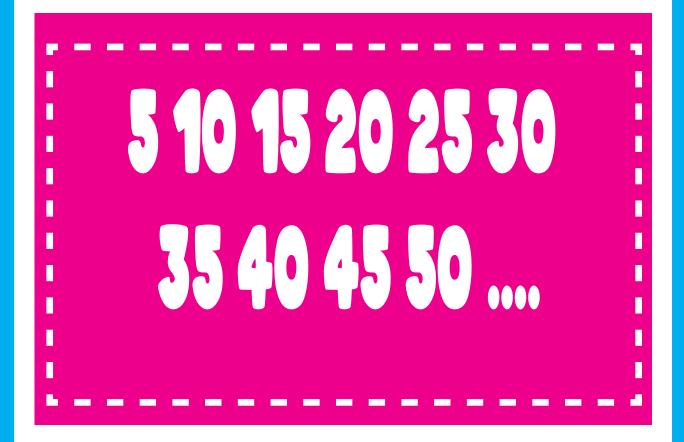
10 ÷ 2 = 5

I CAN SOLVE THE 3 TYPES OF MULTIPLICATIVE COMPARISON WORD PROBLEMS SUE HAS 9 BRACELETS. SHE HAS 3 TIMES AS MANY AS HER SISTER. HOW MANY DOES HER SISTER HAVE?  $9 \div 3 = 3$ 

I CAN INTERPRET THE REMAINDER
HONG HAD 14 TOYS. HE SHARED
THEM BETWEEN HIS 2 FRIENDS
AND HIMSELF.
HOW MANY DID EACH PERSON GET?



## I CAN GENERATE A NUMBER PATTERN THAT FOLLOWS A GIVEN RULE







## I understand that numbers to the left increase and numbers to the right decrease.

10x the amount1/10 the amount

55,555

50,000 + 5,000 + 500 + 50 + 5

# I CAN TALL ADOUT NUMBERS MEXPANDED FORM, STANDARD FORM AND WORD FORM

2570=2000+500+70+0

TWO THOUSAND FIVE HUNDRED SEVENTY

I CAN USE PLACE VALUE WHEN COMPARING WHOLE NUMBERS 2345 > 457

## I CAN COMPARE NUMBERS USING Compare Numbers USING Compare Numbers Compa

2345 > 1236

## I CAN ROUND NUMBERS TO THE HUNDRED THOUSAND PLACE

256,789 rounds to 300,000

## I CAN ADD MULTI-DIGIT NUMBERS

2578+8907

#### I CAN SUBTRACT MULTI-DIGIT NUMBERS 2000 - 99

#### I CAN DECOMPOSE A FRACTION IN MORE THAN ONE WAY

I CAN JUSTIFY DECOMPOSITIONS BY USING A VISUAL FRACTION MODEL.

$$\frac{5}{10} = \frac{2}{10} + \frac{3}{10}$$

$$\frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} \frac{1}{10} = \frac{1}{10} \frac{1}{10} + \frac{1}{10} \frac{1}{10} \frac{1}{10}$$

## I CAN RECOGNIZE AND GENERATE EQUIVALENT FRACTIONS

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

## I CAN COMPARE FRACTIONS WITH DIFFERENT NUMERATORS AND DIFFERENT DENOMINATORS I CAN RECORD THE RESULT OF COMPARISONS WITH SYMBOLS

AND JUSTIFY THE CONCLUSIONS, E.G. BY USING A VISUAL FRACTION MODEL.

$$\frac{1}{3} > \frac{1}{6}$$
 $\frac{1}{3}$ 

#### I CAN ADD MIXED NUMBERS WITH LIKE DENOMINATORS

#### I CAN SUBTRACT MIXED NUMBERS WITH LIKE DENOMINATORS

#### I CAN ADD FRACTIONS WITH LIKE DENOMINATORS

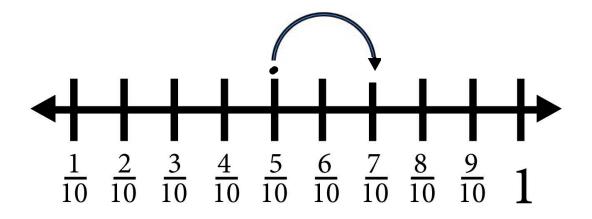
 $\frac{1}{10} + \frac{3}{10}$ 

I CAN SUBTRACT FRACTIONS
WITH LIKE DENOMINATORS

#### I CAN SOLVE ADDITION FRACTION WORD PROBLEMS BY USING VISUAL FRACTION MODELS AND EQUATIONS TO REPRESENT THE PROBLEM.

RAUL RAN 2/10 OF A MILE IN THE MORNING AND 5/10 OF A MILE IN THE AFTERNOON.

#### **HOW FAR DID HE RUN?**



I CAN SOLVE SUBTRACTION FRACTION WORD PROBLEMS BY USING VISUAL FRACTION MODELS AND EQUATIONS TO REPRESENT THE PROBLEM GRANDMA MADE A CAKE. THE KIDS ATE 1/4 OF IT. **HOW MUCH IS LEFT?** 

## I CAN MULTIPLY A FRACTION BY A WHOLE NUMBER

I CAN SOLVE WORD PROBLEMS
INVOLVING MULTIPLICATION OF
FRACTIONS BY A WHOLE NUMBER BY
USING VISUAL FRACTION MODELS AND
EQUATIONS REPRESENTING
THE PROBLEM

MARY RAN 1/4 OF A MILE FOR 3 DAYS.
HOW FAR DID SHE RUN?

$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$$

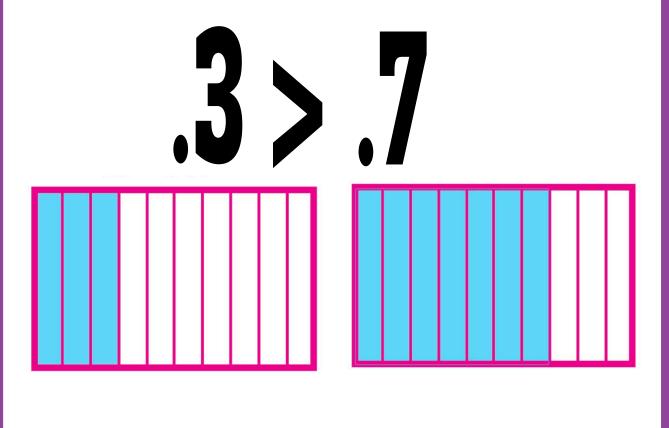
#### UNDERSTAND DECIMALS

I CAN EXPRESS A FRACTION WITH A DENOMINATOR 10 AS AN EQUIVALENT FRACTION WITH A DENOMINATOR OF 100.
I CAN ADD TWO FRACTIONS WITH DENOMINATORS OF 100

$$\frac{2}{10} = \frac{20}{100}$$

I CAN USE DECIMAL NOTATION FOR FRACTIONS WITH DENOMINATORS 10 AND 100

### I CAN COMPARE 2 DECIMALS TO HUNDRED THE BY REASONING ABOUT THEIR SIZE.



I can talk about whole numbers through 1,000,000,000 and decimals to the hundredths using expanded notation and numerals.

2570 = 2000 + 500 + 70 + 0

TWO THOUSAND FIVE HUNDRED SEVENTY

## I can model decimals using different visual models and money.

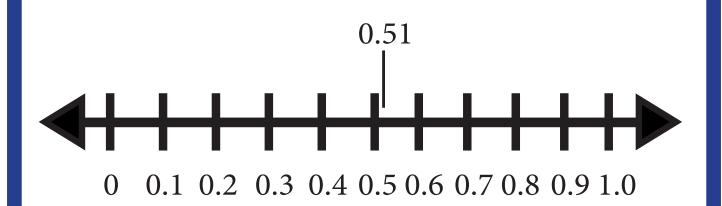






I can relate decimals to fractions that name tenths and hundredths.

# I can find, place and identify decimals on a number line.



# I can compare whole numbers to I billion using symbols.

2,345,600 > 2,159,900

## I can order numbers to I billion.

2,345,678 comes before 2,789,345

#### I can round numbers to the hundred thousands.

245,909 = 200,000

## I can decompose a fraction into unit fractions.

$$\frac{4}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$$

## I can decompose a fraction in more than I way.

$$\frac{4}{5} = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$$

$$\frac{4}{5} = \frac{3}{5} + \frac{1}{5}$$

I can generate equivalent fractions using different methods.

**3 4 6** 

I can compare 2 fractions with different numerators and different denominators with symbols.

> 2 3 6

I can add fractions with equal denominators using different models and properties.

I can subtract fractions with equal denominators using different models and properties.

$$\frac{4}{8} + \frac{3}{8} = \frac{1}{8}$$

## I can reason about sums of fractions using benchmark fractions.

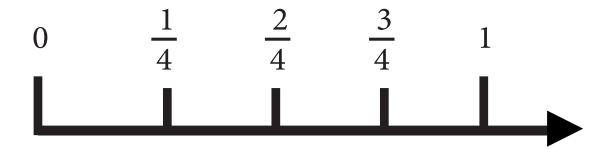
$$\frac{1}{2} + \frac{3}{2}$$

This is more than 1

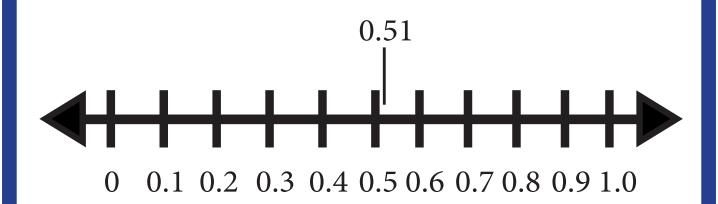
I can reason about differences of fractions using benchmark fractions.

9 8 8 This is less than 1

### I can model fractions on a number line.



### I can represent decimals on a number line.



## I can add whole whole numbers.

2456 + 1999 = 4,455

## I can subtract whole numbers.

6000 - 2999 = 3001

### I can add decimals.

$$.27 + .28 = .55$$

# I can subtract decimals.

$$.49 - .25 = .24$$

### I can multiply a number by 10 using different properties and place value.

 $25 \times 10 = 250$ 

I can multiply a number by 100 using different properties and place value.

 $25 \times 100 = 2500$ 

## I can multiply 2 two-digit numbers using arrays, area models or equations.

$$12 \times 12 = 144$$

# I can divide up to a 4-digit number by a 1 digit number using arrays, area models or equations.

$$4004 \div 4 = 2002 \div 2 = 1001$$

### I can round numbers.

5098 ≈ 5000

## I can solve 2-step multiplication problems.

Susie had 5 bags with 10 marbles. She gave away 2 bags. How many marbles does she have left?

## I can solve 2-step division problems with remainders.

There were 36 marbles. The store put them in 4 bags. They sold 2 of the bags. How many marbles are left?

$$36 \div 4 = 9$$
  $2 \times 9 = 18$ 

$$36 - 18 = 18$$

## I can solve multi-step problems with strip diagrams and equations.

My brother has 5 marbles. I have 3 times as many. How many do we have altogether?

 5

 5

 5

 5

### Thank You!

Thank you for your recent download! I hope you enjoy using it in your classroom with your students. Please use this document and share it with others. Please do not store it on a website. Whoever wants to use it should download it from my site. I would love to hear from you. Let me know how Math conferring is going in your classroom. Feel free to email me at newtoneducationsolutions@gmail.com to ask questions, leave feedback and comments. I look forward to hearing from you!

About the Dr. Nicki Newton

Dr. Nicki Newton is an education consultant who works with

schools and districts around the country and Canada on k-8 math curriculum. She has taught elementary school, middle school, and graduate school. Dr Nicki has an Ed.M. and an Ed.D from Teachers, College Columbia University. She is greatly interested in teaching and learning practices around the world and has researched education in Denmark, Guatemala and India. She has written several books, including being a part of the curriculum team for the new McGraw Hill Reveal Math series. She is currently working on a book about counting.

Terms of Use

Dr. Nicki Newton gives you the right to reproduce and use these pages for use in your classroom, at your grade level, at your school and in your district. You do not have permission to store it digitally or use it for commercial purposes. Uploading this product fully or partially, to the internet is a violation of the Digital Millennium Copyright Act. You May:

Use this item for your own classroom Use this item with grade levels Use this item for schools and districts

You May Not:

Post this in any form on the Internet Change any part of this document Sell this document

#### Let's Connect

Follow me to find out about more math teaching and learning!

Blog: www.quidedmath.wordpress.com

Twitter: Drnicki Math

Facebook: Guidedmathl23 Facebook: Math Running Records

Instagram: Guidedmathinaction

Copyright 2022 Newtoneducationsolutions



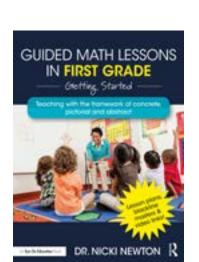


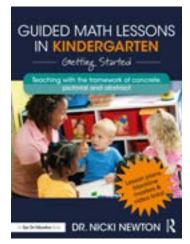


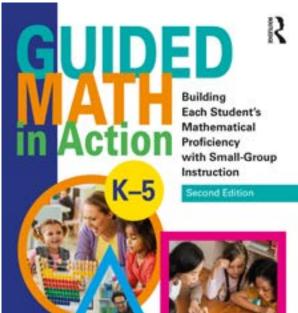
#### Check out the new Guided Math New Resources

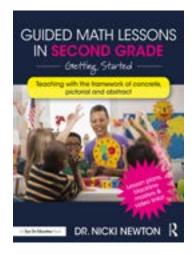
Pr. Nicki will POP into any book study group!

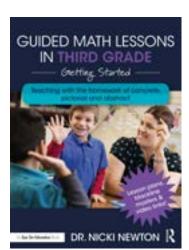
Contact her at drnicki7@gmail.com

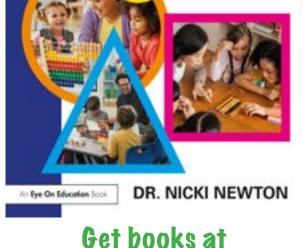




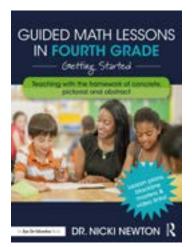




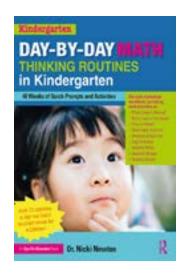


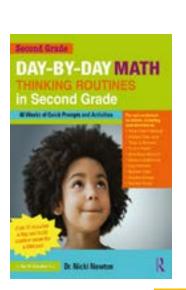


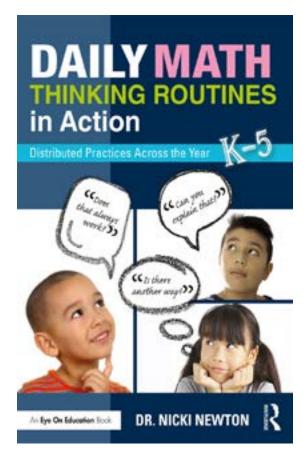
Get books at
Routledge.com
(FLY21) 20% Discount Code

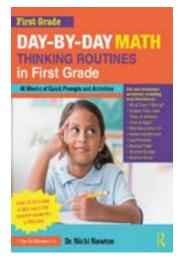


### Jump Start Your Daily Routines!

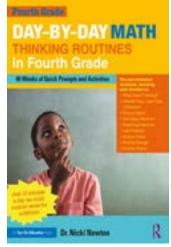


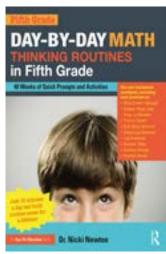






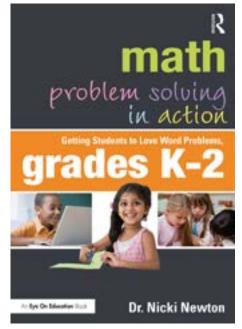






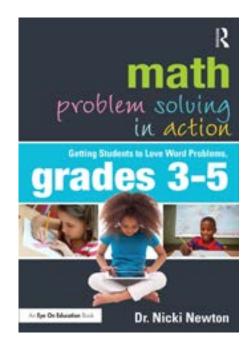
### Jump Start Your Problem Solving!

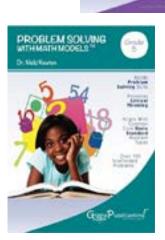


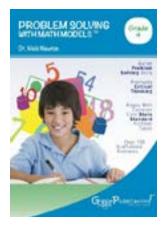




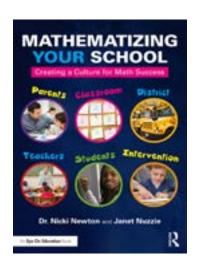


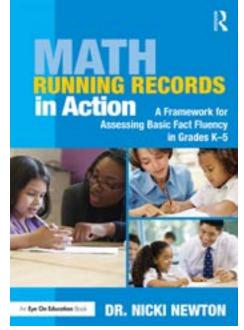


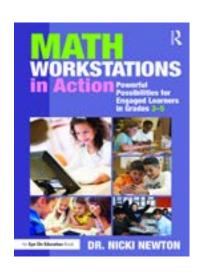


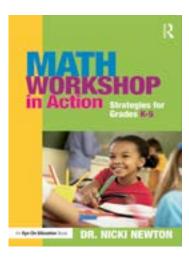


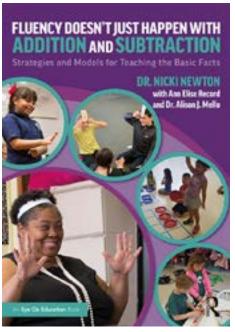
#### Jump Start Your Math Workshop!

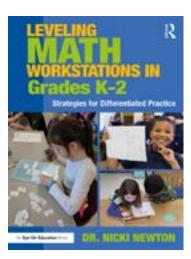


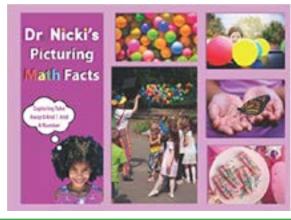


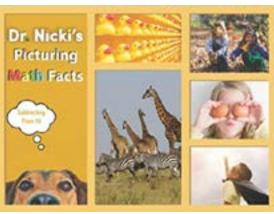












#### Customized Workshops

\*Customized Workshops
Call us if you are interested in a customized workshop on any of our books. If you don't see a topic that you are interested in, please

contact us to discuss it.

\*More Opportunities Labsites, Virtual Coaching (Individual teachers and teams) and Grade Level Meetings



Blog: www.guidedmath.wordpress.com

Website: drnicknewton.com

Website: www.mathrunningrecords.com

Pinterest: @drnicki7

Instagram: Guidedmathinaction

Twitter: Drnickimath

Facebook:

Math Running Records

Guided Math 123