20 Days of Lesson Plans and Activities

3rd grade

THE MAGIC OF MATH

Unit 3: MULTIPLICATION

by Hope King and Amy Lemons

UNIT THREE
OVERVIEW

	FOCUS	STANDARD
WEEK 1	Intro to Multiplication	TEKS: 3.4DEK, 3.5B CCSS: 3.OA.A.1, 3.OA.A.3
WEEK 2	Multiplication Facts and Strategies	TEKS: 3.4DEFK, 3.BD CCSS: 3.OA.A.4, 3.OA.C.7
WEEK 3	Properties of Multiplication	TEKS: 3.4EGK CCSS: 3.OA.A.5
WEEK 4	Multiplication Multi-Step Word Problems	TEKS: 3.4K, 3.5B CCSS: 3.OA.A.3, 3.OA.D.8

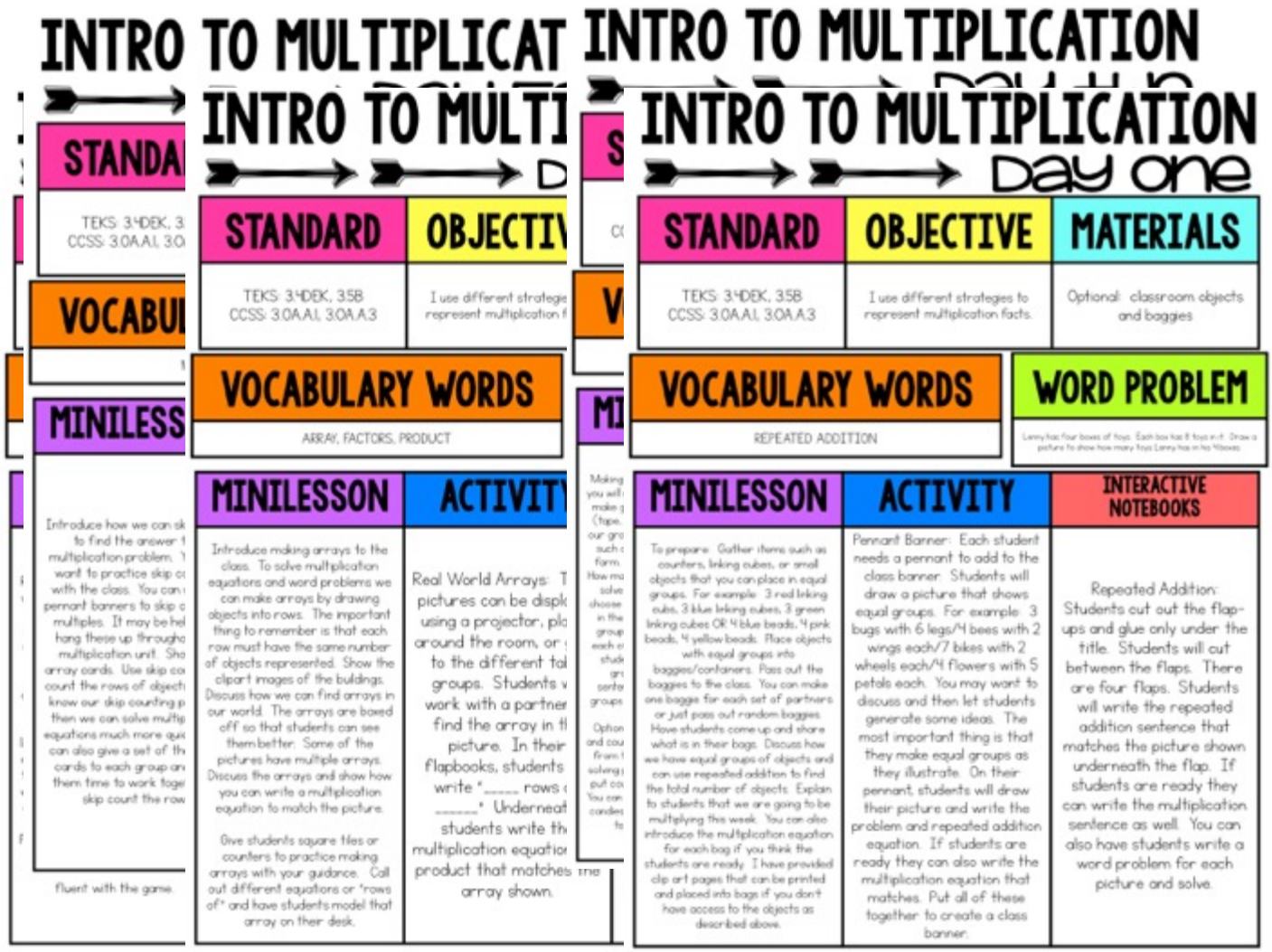
DAILY LESSON PLANS

-20 Days of Lesson Plans for: Multiplication Strategies, Multiplication Facts, Properties of Multiplication, Mult-Step Word Problems

-STANDARDS ALIGNED to Common Core and TEKS

-I Can Statements

-Description of Activities



MINILESSONS

-Ideas and materials on how to teach the concepts

-Easy to print and prep

FUN ACTIVITIES

Easy to Print Activities, Games, and Fun Stuff that help students stay engaged during your math block

DAILY WORD PROBLEMS

20 Word Problems that fit the skills included

WORD PROBLEM- DAY ONE

Gentry puts stickers on 6 pages of a sticker album. He puts 3 rows of 4 stickers on each page. How many stickers does Gentry have in his album? Draw a picture to show your answer.

Gentry puts stickers on 6 pages of a sticker album. He puts 3 rows of 4 stickers on each page. How many stickers does Gentry have in his album? Draw a picture to show your answer.

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ROBLEM- DAY TWO

nks with 9 fish in each tank. Soleil multiplies 9 x 9 to find the number of fish. What is another way to find the number of fish? Explain your thinking.

WORD PROBLEM- DAY THREE

The movie theatre has 6 rows of 7 seats. The theatre right beside it has 8 rows of 9 seats. How many seats are there ...icture to support your answer.

Jillian buys 7 packages of erasers. Each package has 9 erasers. Use the distributive property to write an equation that will show how many erasers Jillian has.

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There are 7 tables in our classroom. 6 students sit at each table. If all but four chairs are filled, how many students are in class today?

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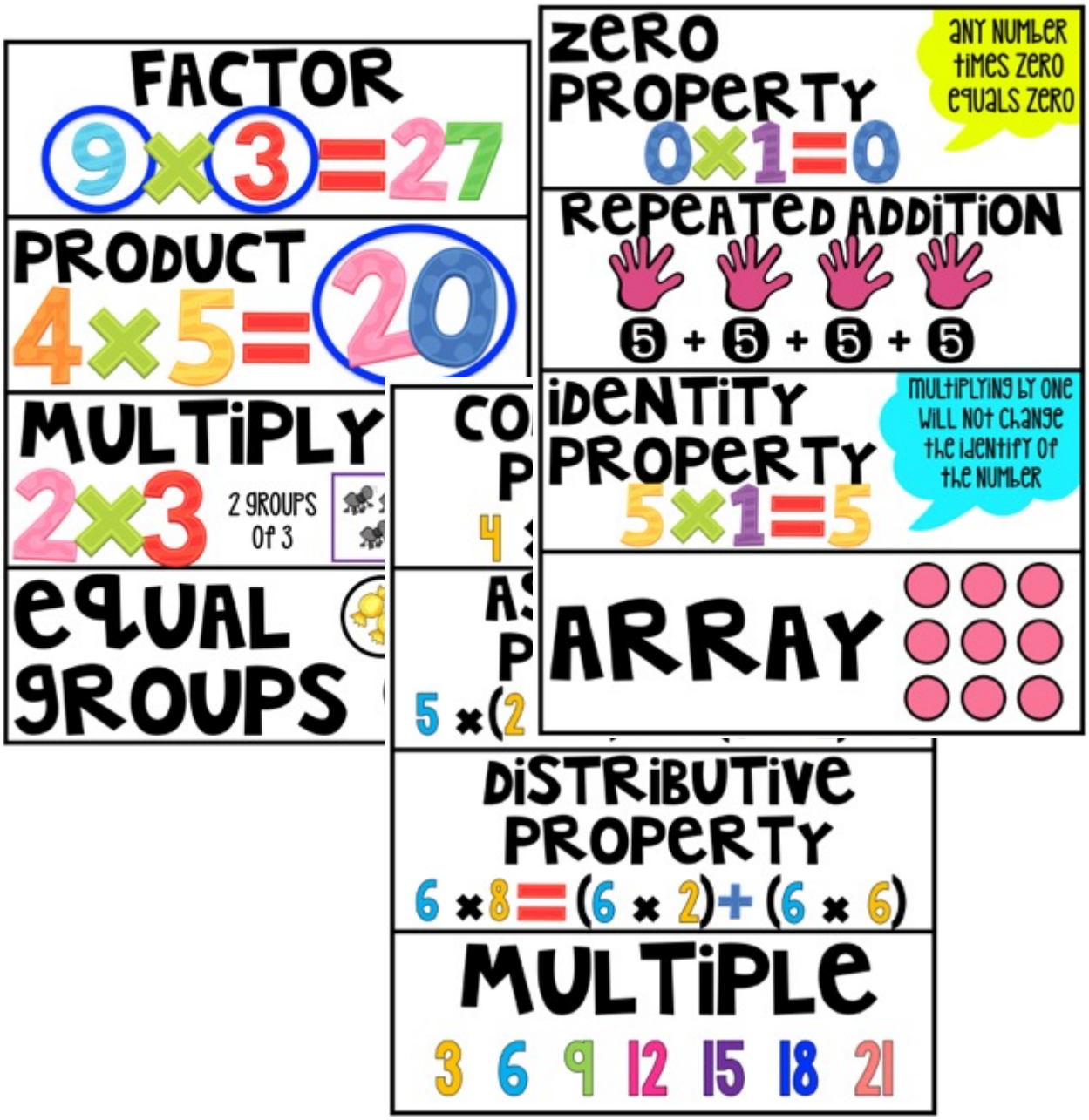
INTERACTIVE NOTEBOOKS

Activities that are easy to cut and glue into math spirals/interactive notebooks

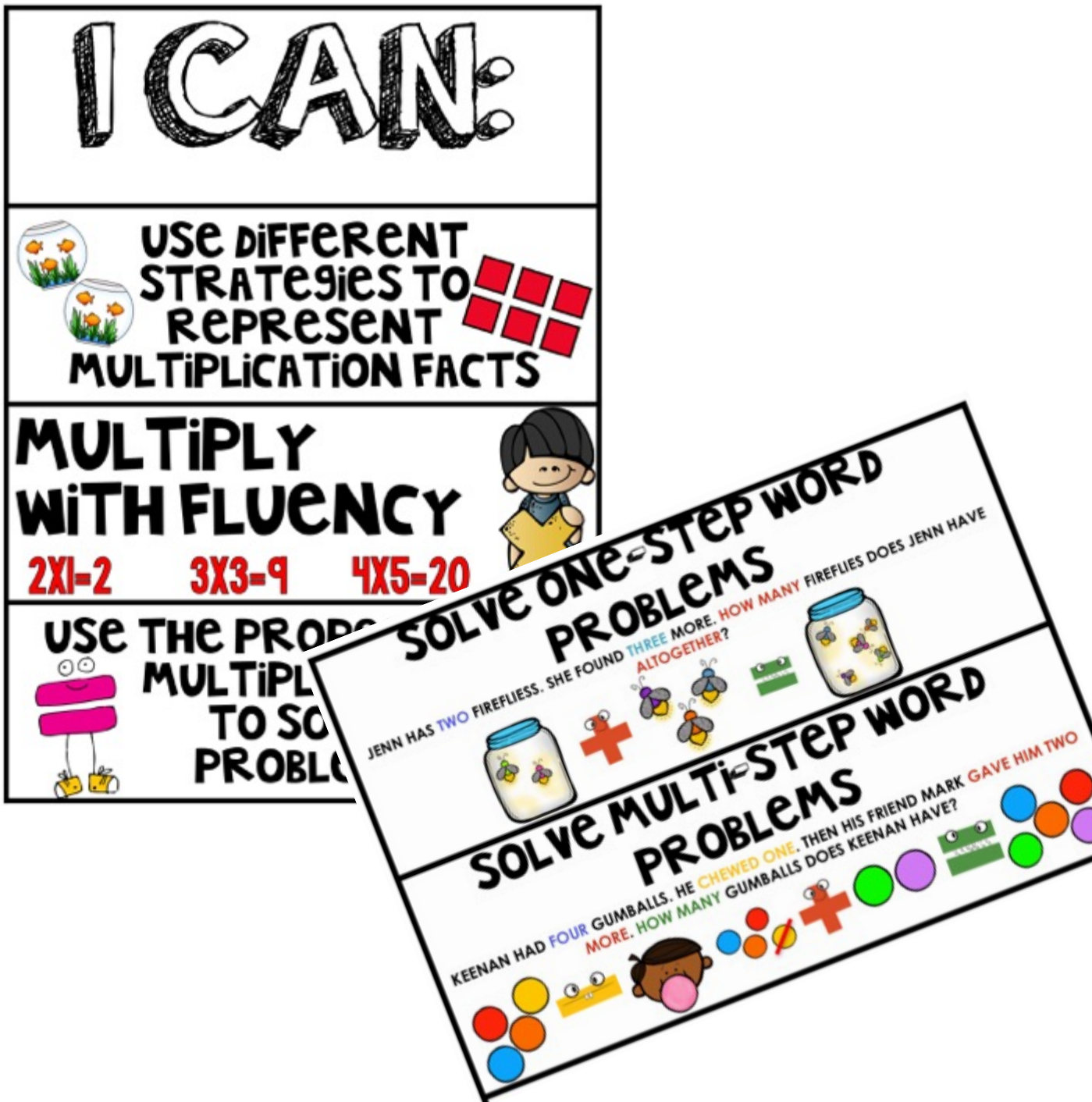
VOCABULARY CARDS

Cards that you can display on a math word wall or bulletin board



I CAN STATEMENTS

I Can Statements can be displayed throughout the unit.



QUICK ASSESSMENTS

MULTIPLICATION

Name: _____

1. Which repeated addition sentence matches the picture below? Answer the equation.

a. 3 + 3 + 3 + 3 + 3 + 3
b. 6 + 6 + 6
c. 6 + 3

2. Draw a picture of making equal groups to match the multiplication equation. Choose the correct product.

3 x 8 =

a. 21
b. 26

5. What is the answer to a multiplication problem called?

a. factor
b. sum
c. multiple
d. product

6. There were 8 students coloring pictures. Each student had 4 colored pencils. How many colored pencils were there in all?

a. 32
b. 84
c. 23
d. 48

7. What multiplication equation matches the array? Fi... product of the equatio...

MULTIPLICATION FACTS

Name: _____

2x3=	7x7=	6x1=	5x6=	8x3=
8x7=	7x3=	8x8=	4x4=	12x3=
6x6=	1x5=	6x7=	11x2=	6x4=
4x8=	4x9=	10x4=	8x1=	1x11=
3x4=	9x8=	5x3=	2x12=	7x5=

UNIT THREE: CUMULATIVE ASSESSMENT

Multiplication, Properties of Multiplication, & Multi-step Word Problems

Name: _____

1. Which property of multiplication does this problem show?

7 x 8 = (4 x 8) + (3 x 8)

a. distributive property
b. commutative property
c. associative property

2. Which property of multiplication does this problem how?

(9 x 4) x 3 = 9 x (4 x 3)

a. associative property
b. distributive property
c. commutative property

3. Use the commutative propert... to check this problem.

8 x 6

4. Solve using repeated addition:

5 x 9 =

5. Marcie and her mom are making her grandmother a family quilt. The quilt will be made of 8 rows with 7 squares in each row. Draw an array to show how many squares they will need.

PROPERTIES OF MULTIPLICATION QUIZ

Name: _____

1. Which property of multiplication does this problem show?

(3 x 2) x 6 = 3 x (2 x 6)

a. distributive property
b. commutative property
c. associative property

2. Which property of multiplication does this problem show?

8 x 9 = 9 x 8

a. associative property
b. distributive property
c. commutative property

3. Use the commutative property to check this problem.

6 x 9

4. Myron went apple picking. He had 7 buckets of apples. Each bucket had 5 apples. Which way can Myron use to show how many apples he has?

a. (7 x 2) + (7 x 2)
b. (7 + 3) + (7 + 2)
c. (7 x 3) + (7 x 2)
d. (7 x 7) + (7 x 5)

5. Kamyah buys 5 packages of cookies. Each package has 8 cookies. Use the distributive property to show how many cookies Kamyah has.

6. Use these three numbers to demonstrate the associative property of multiplication (3, 2, 3).

7. Liam and his brother were star gazing. They saw 9 rows with 7 stars in each row. Which way can Liam show how many stars he saw?

a. (9 + 7) x (9 + 7)
b. (5 x 7) + (5 + 7)
c. (5 x 7) + (9 x 7)
d. (5 + 7) x (9 + 7)

8. 8 monster trucks are in the parking lot. Each truck has four tires. Write an equation to show how many tires the trucks have altogether. Use the commutative property to check.

9. Danielle is throwing a party. She wants to give out some party favors. She has enough to give 7 stickers and 5 pieces of candy to each girl. If she has 9 girls attending, how many party favors does she have to give out? _____

10. Solve:

a. 5 x 8 =
b. 9 x 4 =
c. 3 x 2 =
d. 8 x 0 =
e. 1 x 89 =
f. 7 x 9 =
g. 8 x 5 =
h. 9 x 1 =

WEEK ONE


MATCH & MULTIPLY
Repeated Addition
2+2+2+2+2+2=12
3+3+3=9
4+4+4=12
3x4=12
Task 8
MAKE AN array With PLAYDOH
I HAVE:
WHO HAS 3X6?
PRODUCTS GREATER THAN 13
PRODUCTS LESS THAN 13
Task 8
MAKE AN array With CUPCAKE LINERS
Making arrays
2 ROWS OF 4
2X4=8
EQUAL GROUPS
2 groups of 8
2x8=16
COMPLETE THE task
Task 8
MAKE AN array With CUPCAKE LINERS
SKIP COUNTING STRIPS
3+3+3=9
3x3=9

WEEK TWO

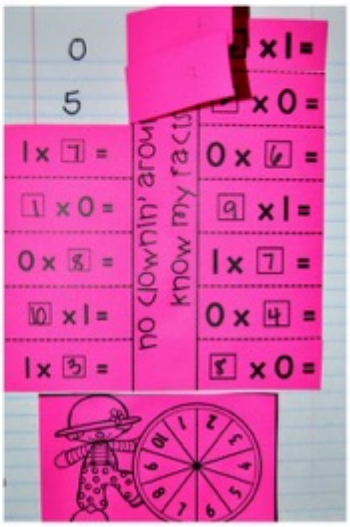

KNOCKIN' DOWN THOSE sevens 7
KNOCKIN' DOWN THOSE eights 8


Feed the elephants
multiply BY TWO
multiply BY FOUR
GET YOUR TICKETS
x4

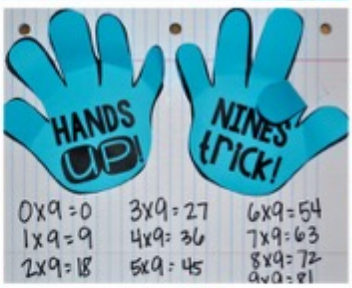

Balloon POP! x5
zero
Balloon POP! x10


Goldfish
FISH in a bag


MULTIPLY by TWO
MULTIPLY by FOUR
2 4 6 8 10


no clownin' around know my facts


PIN A Dot ON the CLOWN!

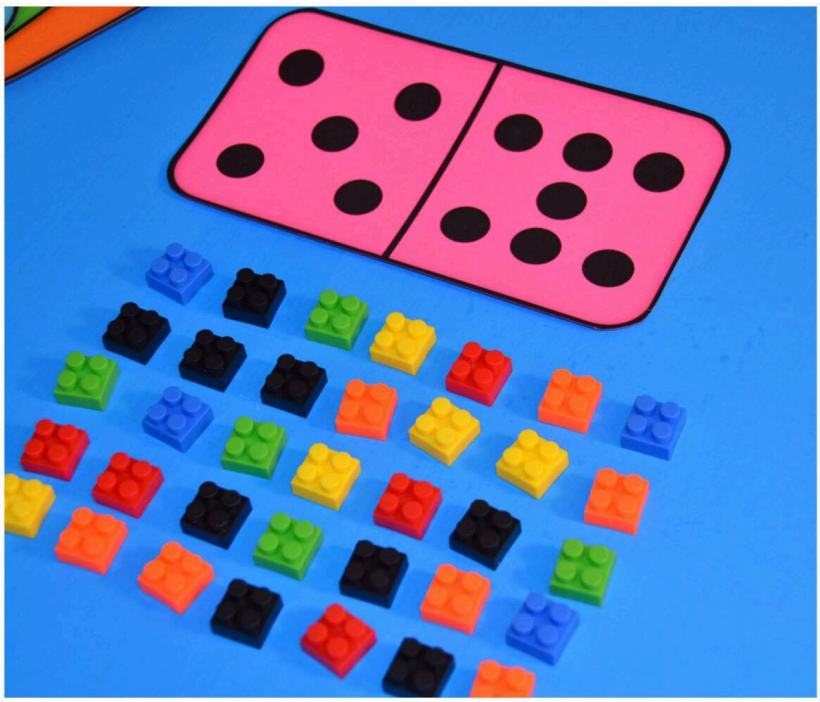

HANDS UP!
NINES TRICK!
0x9=0
1x9=9
2x9=18
3x9=27
4x9=36
5x9=45
6x9=54
7x9=63
8x9=72


COTTON CANDY

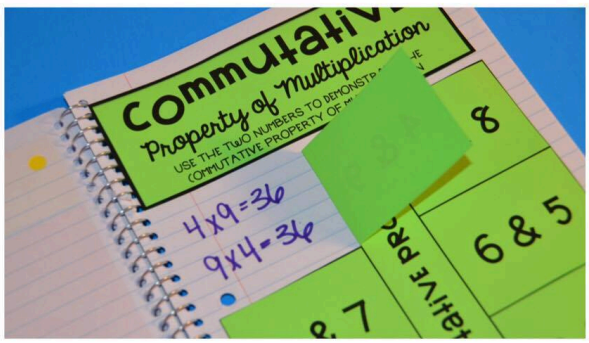

COTTON CANDY


MULTIPLY by five
MULTIPLY by ten
DROP IN THE BOOMONG!
DROP IN THE BOOMONG!
5
10

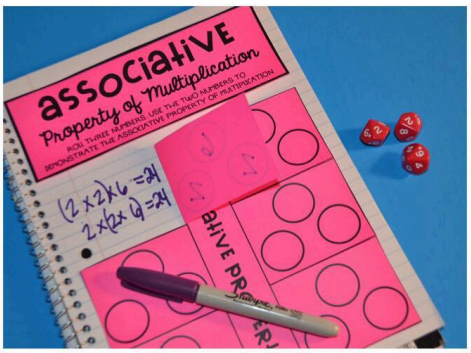
WEEK THREE



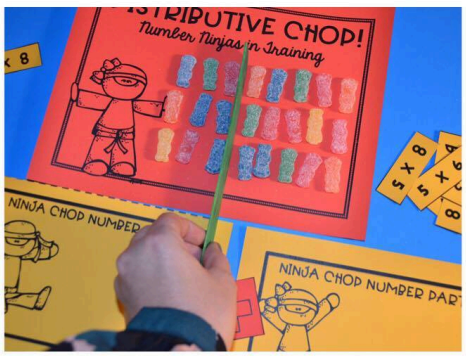

Commutative
Property Number War
6 x 3 = 18


Commutati
Property of Multiplication
4x9=36
9x4=36

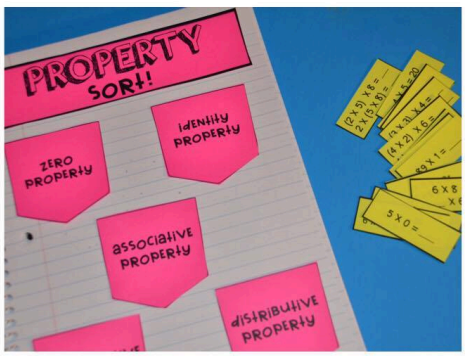

3 x 4 x 2 =


associative
Property of Multiplication

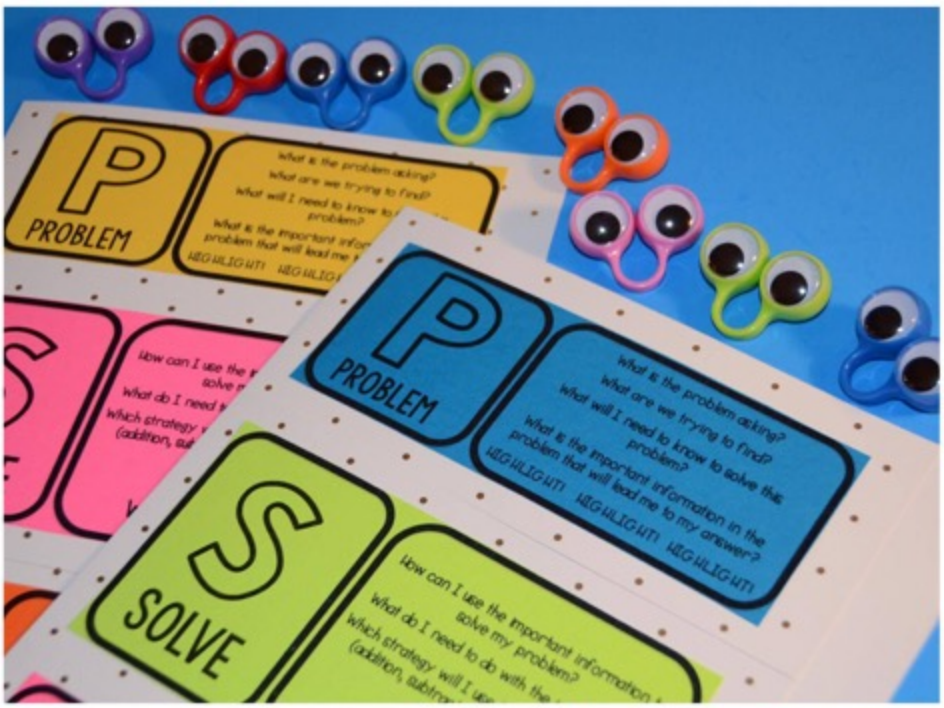

4x3=
4 x 5 =
DISTRIBUTIVE CHOP!


DISTRIBUTIVE CHOP!
Number Ninjas in Training
NINJA CHOP NUMBER


Commutative PROPERTY
4x6=24
6x4=24
ZERO PROPERTY
8x0=0
distributive PROPERTY
identity PROPERTY
1x8=8


PROPERTY SORT!
ZERO PROPERTY
identity PROPERTY
associative PROPERTY
distributive PROPERTY

WEEK FOUR


P
PROBLEM
What is the problem asking?
What are we trying to find?
What will I need to know to solve this problem?
What is the important information in the problem that will lead me to my answer?
HIGHLIGHT!
S
SOLVE
How can I use the important information to solve my problem?
What do I need to do with the information?
Which strategy will I use to find the answer? (addition, subtraction, place value, time, measurement)
WORK IT OUT!


P
PROBLEM
S
SOLVE
WORK IT OUT!
Check it over!


THE ZOOKEEPER HAS TO FEED A LION AND HER CUB. THE LION WILL EAT 7 POUNDS OF MEAT AND THE CUB WILL EAT 3/4 POUNDS OF MEAT. HOW MANY POUNDS DOES THE ZOOKEEPER NEED?
S
SOLVE
WORK IT OUT!
Check it over!


SCOOT #1
Sophia has 6 crayons. Emma has twice as many as Sophia. Lilly has three times as many as Emma. How many total crayons do all three girls have?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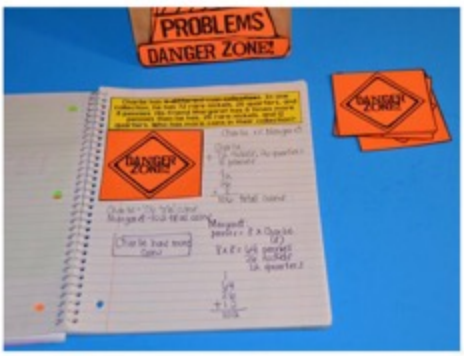
P
PROBLEM
S
SOLVE
WORK IT OUT!
Check it over!


DANGER ZONE!


WORD
PROBLEMS
DANGER ZONE!


PROBLEMS
DANGER ZONE!
DANGER ZONE!


PROBLEMS
DANGER ZONE!
DANGER ZONE!