20 Days of Lesson Plans and Activities
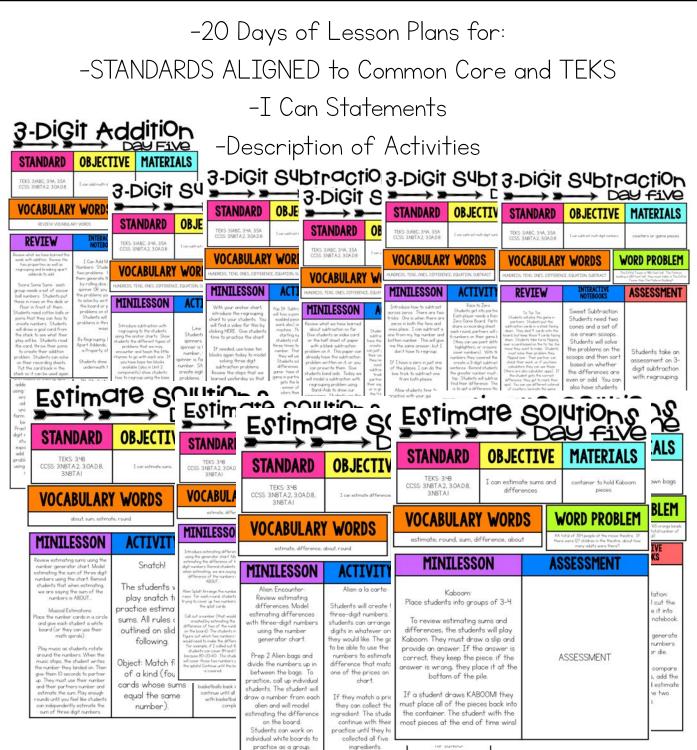
3rd grade

THE MAGIC OF MATH
Unit 2: ADDITION & SUBTRACTION

by Hope King and Amy Lemons

UNiT TWO
overview

	FOCUS	STANDARD
WEEK 1	Multi-Digit Addition: Associative Property, Commutative Property, Addition with Regrouping, Breaking Apart Addends	TEKS: 3.1ABC, 3.4A, 3.5A CCSS: 3.NBT.A.2, 3.OA.D.8
WEEK 2	3-Digit Subtraction With Regrouping	TEKS: 3.1ABC, 3.4A, 3.5A CCSS: 3.NBT.A.2, 3.OA.D.8
WEEK 3	Estimate Solutions	TEKS: 3.4B CCSS: 3.NBT.A.2, 3.OA.D.8, 3.NBT.A.1
WEEK 4	Word Problems	TEKS: 3.1ABC, 3.4ABC, 3.5A CCSS: 3.NBT.A.2, 3.OA.D.8

DAILY LESSON PLANS

-20 Days of Lesson Plans for:

-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

the associative property of addition:
You can group addends in different ways.
You will still get the same sum.

$16 + 28 + 2$

$16 + (28 + 2)$

ONES PLACE
need to regroup?

TENS PLACE
need to regroup?

REDS PLACE
the hundreds

Check your work!
add the two bottom numbers together!

1

3 7 2
12   11
8

2

your work
, solve the
tion proble

MULTI-DIGIT SUBTRACTION
GO to the ONES PLACE
Do you need to regroup?
GO to the TENS PLACE
Do you need to regroup?
GO to the HUNDREDS PLACE
Subtract the hundreds

If more on top...
NO NEED TO
STOP!

Numbers the same...
ZERO'S THE
GAME!

If more on the floor..
Go next door then
BORROW FROM
NEXT DOOR

MULTI-DIGIT ADDITION
add the ONES
Do you need to regroup?
add the TENS
Do you need to regroup?
add the
HUNDREDS

If so...

If so...
Regroup the tens as
HUNDREDS AND
TENS

Break Apart
Addends
EXAMPLE:
453+246
=699
400 + 50 + 3
200 + 40 + 6
600 + 90 + 9

347
+195

300   40   7
VALUE OF   VALUE OF   VALUE OF

100   90   5
VALUE OF   VALUE OF   VALUE OF

493
+168

400   90   3
VALUE OF   VALUE OF   VALUE OF

100   60   8
VALUE OF   VALUE OF   VALUE OF

173

KEY WORDS
addition   subtraction
total   difference
sum   Remai
all   minus
H   How many are
                left?
How mu
MORE?   How ma

FUN ACTIVITIES

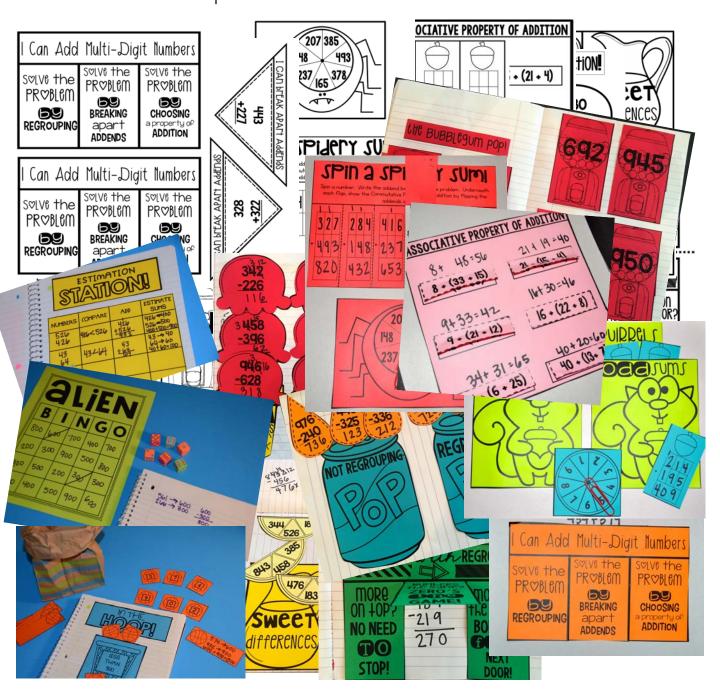Easy to Print Activities, Games, and Fun Stuff that help students stay engaged during your math block

DAILY WORD PROBLEMS

20 Word Problems that fit the skills included

3-DIGIT SUBTRACTION WORD PROBLEM- DAY FOUR

The family drove 592 miles during their trip over the summer. In the winter the family drove 326 miles. How many more miles did the family drive over the summer than over the winter?

The family drove 592 miles during their trip over the summer. In the winter the family drove 326 miles. How many more miles did the family drive over the summer than over the winter?

The family drove 592 miles during their trip over the summer. In the winter the family drove 326 miles. How many more miles did the family drive over the summer than over the winter?

The family drove 592 miles during their trip over the summer. In the winter the family drive over the summer than over the winter?

The family drove 592 miles during their trip over the summer. In the winter the family drove 326 miles. How many m...

The fa...
summer...
many m...

3-DIGIT SUBTRACTION WORD PROBLEM- DAY THREE

There are 552 students in the school. 239 of the students were wearing shorts. The rest of the students were wearing pants. How many students were wearing pants?

...tudents in the school. 239 of the ...ing shorts. The rest of the students ...s. How many students were wearing pants?

...udents in the school. 239 of the ...ng shorts. The rest of the students ...How many students were wearing pants?

...udents in the school. 239 of the ...g shorts. The rest of the students ...How many students were wearing pants?

SUBTRACTION WORD PROBLEM- DAY FIVE

...Tower is 986 feet tall. The Flatiron building is ...all. How much taller is The Eiffel Tower than The Flatiron Building?

...Tower is 986 feet tall. The Flatiron building is ...ll. How much taller is The Eiffel Tower than The Flatiron Building?

...wer is 986 feet tall. The Flatiron building is ... How much taller is The Eiffel Tower than The Flatiron Building?

...ver is 986 feet...

ESTIMATE SOLUTIONS WORD PROBLEM- DAY FOUR

There were 98 students in first grade and 124 students in kindergarten. About how many more students are in kindergarten than first grade.

There were 98 students in first grade and 124 students in kindergarten. About how many more students are in kindergarten than first grade.

There were 98 students in first grade and 124 students in kindergarten. About how many more students are in kindergarten than first grade.

...ade and 124 students ...re students are in ...ade.

...nd 124 students ...students are in ...de.

...nd 124 students ...students are in ...de.

ESTIMATE SOLUTIONS WORD PROBLEM- DAY FIVE

A total of 354 people at the movie theatre. If there were 127 children in the theatre, about how many adults were there?

A total of 354 people at the movie theatre. If there were 127 children in the theatre, about how many adults were there?

A total of 354 people at the movie theatre. If there were 127 children in the theatre, about how many adults were there?

A total of 354 pe... there were 127 ch... many...

A total of 354 p... there were 127 ch... many...

A total of 354 p... there were 127 ch... many...

Sergio packs baseball cards in boxes of 100. How many boxes will Sergio need to pack 1,300 baseball cards?

100 200 300 400 500
600 700 800 900 1,000
1,100 1,200   12

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

ROUND 54 IS ABOUT 50

estimate 54 + 14 IS ABOUT

VALUE 12
10   2

expanded FORM 59 = 50 + 9

ONES [] [] [] = 3

ONES PLAC

SUM 5 - 14

DENDS 5

UATIO 4

EREN 4

COUNT BY 1's

COUN BY 100

MBER e
1 2 3 4 5 6 7 8 9 10

BREAK APART ONES → 46+9=?
I can make the nearest ten with 6 and 4
4+5

DiGiT 514

ADD

SUBTRACT

6

1,486

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

I CAN STATEMENTS

I Can Statements can be displayed throughout the unit.

I CAN

ADD MULTI DIGIT

456 -

SUBTRACT MU NUMBER

349

COMBINE MONE

FIVE DOLLARS 5

ONE DOLLAR 1

SOLVE ONE-STEP WORD PROBLEMS

JENN HAS TWO FIREFLIESS. SHE FOUND THREE MORE. HOW MANY FIREFLIES DOES JENN HAVE ALTOGETHER?

SOLVE MULTI-STEP WORD PROBLEMS

KEENAN HAD FOUR GUMBALLS. HE CHEWED ONE. THEN HIS FRIEND MARK GAVE HIM TWO MORE. HOW MANY GUMBALLS DOES KEENAN HAVE?

ADD AND SUBTRACT BASED ON PLACE VALUE

12 + 25

10   2   20   5

10 + 20 = 30

2 + 5 = 7

37

ESTIMATE DIFFERENCES

IS ABOUT

80-40-40

ESTIMATE SUMS

27 + 15 IS ABOUT

30 + 20 = 50

QUICK ASSESSMENTS

MULTI DIGIT ADDITION

Name: _____

1. Which property of addition does this problem show?

$(56+4) + 20 = (20+56) + 4$

a. breaking apart addends

5. The principal had 456 red pencils and 281 blue pencils. How many pencils did the principal have in all? Show your work.

a. 700
b. 737
c. 637
d. 727

THREE DIGIT SUBTRACTION

Name: _____

1. Which type of subtraction rule does this problem follow in the ones place?

$$756 \\ -236$$

a. more on top, no need to stop
b. more of the floor, borrow from next door
c. numbers the same, zero's the game

2. What is the answer to a subtraction problem called?

a. sum
b. difference
c. digits

3. Solve the problem:

4	3	2
-	1	8	5

4. Do I need to regroup to solve this problem? 320-186
a. yes
b. no

4. There were 625 boys and 419 girls in the school. There were 46 teachers. How many more boys than girls are there in the school? Show your work.

a. 216
b. 206
c. 306
d. 214

5. We watched 2 movies this weekend. The first movie was 243 minutes long. The second movie was 180 minutes long. How much longer was the first movie than the second movie?

The boys collected 528 ... girls collected 196 more ... the boys. How many ... girls collect? Show you ...

a. 624
b. 614
c. 724
d. 714

Break apart the addends ... re the problem.

$429 + 187$

H	T	O

UNIT TWO: CUMULATIVE ASSESSMENT
Addition, Subtraction, Estimating Solutions & Word Problems

Name: _____

1. Which property of addition does this problem show?

$(86+...$

a. bre...
b. com...
c. asso...

2. Which ... does this p...

5. On Friday, 278 children came to the museum. If 126 less ...

9. If you estimated the sums, which two numbers would be about 90?

a. 61 and 20
b. 68 and 39
c. 33 and 62

10. If you estimated the difference, which two numbers would be about 300?

a. 199 and 203
b. 119 and 245
c. 601 and 324

11. Estimate the sum of each:

a. 74 and 46 _____

b. 371 and 269 _____

12. Estimate the difference of each:

a. 98 and 24 _____

b. 736 and 183 _____

13. If I have 74 stickers in my collection at home and 29 stickers in my collection at school, about how many stickers do I have altogether?

a. 103
b. 100
c. 105

14. Solve the problem 500 – 276

-		

15. Break apart the addends to solve the problem:
$317 + 492$

H	T	O
+		

ESTIMATING SOLUTIONS

Name: _____

1. If you estimated the sums, which two numbers would be about 70?

a. 34 and 72
b. 46 and 54
c. 36 and 29

2. If you estimated the differences, which two numbers would be about 200?

a. 437 and 293
b. 283 and 299
c. 384 and 637

3. Estimate the sum of 274 and 329: _____

4. Estimate the difference of 183 and 362: _____

5. If there were 26 girls and 52 boys are the playground, about how many children are there altogether?

a. 60
b. 80
c. 78

5. I went apple picking with my family last Saturday. We collected 46 apples. On the way home, we ate 13. About how many apples are left?
_____

Explain your answer:
_____
_____
_____
_____