## Whole Number Operations

20 full days of math lesson plans, PowerPoints, \& activities

## Warm Up

Lorena has 45 nail polishes. She is
organizing them on rach hold 8 polishes. How m she need

Foct Fluency
@UICM THTNTNO

## PEMDAS <br> the order used to <br> parentheses exponents multiplication \& division

REMAINDER $5 \div 3=2 \mathrm{rl}$
the part left over

## AREA MODEL

a strategy that uses

$$
5 \div 3=2 r l
$$



## UNIT 3: WHOLE NUMBER OPERATIONS at a glance

| Day I Estimating Products | Day 2 <br> Multiply by Single Digit <br> Numbers | Day 3 <br> Multiply by Multi-Digit Numbers Area Model | Day 4 <br> Multiply by Multi-Digit Numbers | Day 5 <br> Estimating Quotients |
| :---: | :---: | :---: | :---: | :---: |
| Day 6 <br> Division with Partial Quotients | Day 7 <br> Division with Partial Quotients | Day 8 <br> Division with the Standard Algorithm | Day 9 <br> Division with the Standard Algorithm | Day 10 <br> Division with the Standard Algorithm |
| Day II Review | Day 12 <br> Order of Operations | Day 13 <br> Interpret Expressions | Day 14 <br> Interpret Expressions | Day 15 <br> Evaluate Expressions |
| Day 16 Evaluate Expressions | Day 17 <br> Write Expressions | Day 18 Word Problems | Day 19 PBL | Day 20 <br> Assessment |

## Includes a pacing guide so you can see the whole unit at a glance.



### 3.5 MEET THE TEACHER

MATERIALS FOR TEACHER: journal pages for teacher and students. scissors, glue, pencil

MATERIALS FOR STUDENTS: journals, scissors, glue, pencils
APPROACHING Model how to quickly cut and glue the journal page. Have students show you that they can do the same in a timely manner using their journal pages.

Complete the first couple problems with the students. Then, allow the students to walk you through how to solve the nex couple problems. Have students solve the remaining problems on their own and check together.
ON TRACK
Model how to quickly cut and glue the journal page. Have students show you that they can do the same using their journal pages.

Model how to solve the first problem. Then, allow the students to work in pairs to solve each problem. Have the pairs sit quietly until everyone is finished. Check each answer as a group.

MASTERED
Model how to quickly cut and glue the journal page. Have students show you that they can do the same using their journal pages.

Have students complete the sheet on their own. Then, pair students up to check their answers. Have them correct any mistakes with their partners.

Engaging whole \& small group lessons are done for you, making prep \& planning a breeze.

## Order of Operations

This problem has addition and multiplication. We know that multiplication comes first, then addition.

## L Order of Operations

Let's solve the multiplication expression first.

## Order of Operations

## PEMDAS



Now solve the addition equation.


PEMDAS

$$
4+40=44
$$

Deliver great lessons with step-by-step PowerPoints for teaching math skills.

## WRITING EXPRESSIONS

$$
18 \div(q-6)
$$

$$
25-(4 \times 3)
$$

$$
(2+5)-(4+1)
$$

Get students excited with targeted, handson math activities \& interactive notebooks.


Includes an engaging standards-based math PBL that your students will love.


Includes problem sets, homework, and exit tickets for each day.


Track student progress with pre- \& post-assessments and recording sheet.

## PARTIAL PRODUCTS

parts of an answer to a
$6 \times 11=$
$6 \times 16$

## AREA MODEL

a strategy that uses

## ESTIMATE

when we roughly calculate a number
MIN LESSON
ten. These slides allow students to procicompleting the fact fluency
minifying by the powers of
of rounding numblete the warm-up with students.
so the nearest ten or hundred
infrodimeth a waw me vocabularot dot
will be using the terms dividend, divisor forms rounding and estimn
will be using our knowledge of divisor, and quotient. Tell the estimate. Then.

Model how to round a place value and rounding to students that we
$378: 8$. Mode hound 378 to the nearest hind
$378 \div 8$. Model how to use place value to hundred to estimate the quotient of
Model how to round 454 to the divide 400 by 8 .
Model how to use place value to divide $450: 5$ estimate the quotient of 454 :
NTERVENTION
Have the students solve problem
where they round eave problems.
then move on to they ore confident. and Level Up- sheen to to complete the
then move on to problems rounicint, and opportunity to to allow an

UNIT 3: WHHIE NUMBER OPERATIONS at a glance


## Teach with confidence; each day is fully

 planned for you with all the tools you need!