

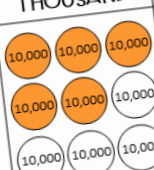
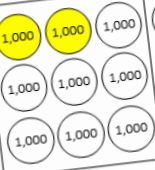
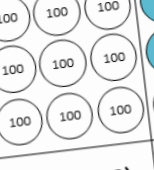
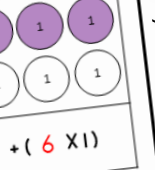
PLACE VALUE

TEKS Worksheets

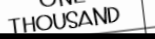
3rd
GRADE

EXPANDED NOTATION with place value discs

#3

5	2	0	4	6
TEN THOUSAND	ONE THOUSAND	HUNDRED	TEN	ONE
				
(5 X 10,000)	+ (2 X 1,000)	~~+ (0 X 100)~~	+ (4 X 10)	+ (6 X 1)

#4

8	9	3	2	5
TEN THOUSAND	ONE THOUSAND	HUNDRED	TEN	ONE
				
(8 X 10,000)	+ (9 X 1,000)	+ (3 X 100)	+ (2 X 10)	+ (5 X 1)

SENTING numbers

Name: _____

EXPANDED FORM
 $2,000 + 80 + 3$

BASE-10 BLOCKS

fewest Base-10 blocks possible to represent this number.

DESCRIPTION

22 Student Pages

- Aligned to the 3rd grade TEKS
- Build Conceptual Understanding
- Practice Skills

PARTY GUESTS

Name: _____

Write the value of each mystery guest in standard form.

 (4 x 10,000)

 (2 x 10,000)

 (5 x 1,000)

 (7 x 100)

 (6 x 100)

 (9 x 1)

 (8 x 10)

 (5 x 10)

 (7 x 10)

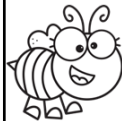
 (3 x 1)



EXPANDED NOTATION PUZZLES

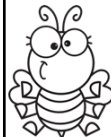
Name: _____

Cut out the cards at the bottom of the page. Glue the boxes to show how to write each 5-digit number in expanded notation.



13

24,135



(1 x 100)

(3 x 10)

(3 x 1,000)

(4 x 1)

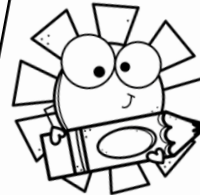
(5 x 1,000)

(2 x 1)

EXPLORING THE base 10 system.

Name: _____

Write each value so it ends in the place named. Fill in "placeholder" zeros in the empty boxes to the right.



10 ones =

10 tens =

10 hundreds =

10 thousands =

10 ten thousands =

Hundred Thousands	Ten Thousands	One Thousands	Hundreds	Tens	Ones

Do you know the "x" symbol?
It means "times".
Read each sentence.
When you see the symbol, say "times".

10 x 1 =

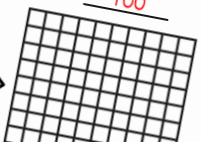
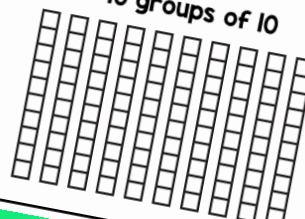
10 x 10 =

10 x 100 =

10 x 1,000 =

10 x 10,000 =

10 groups of 10



Easy-to-Use

No Prep Worksheets

for stations, seatwork,
tutoring, or homework

COMPARING numbers

3-DIGIT NUMBERS

Name: _____

TEKS 3.2D

Complete each comparison with the correct symbol $<$, $>$, or $=$.

1. $582 \bigcirc 591$

2. $375 \bigcirc 292$

3. $436 \bigcirc 439$

4. $602 \bigcirc 597$

5. $823 \bigcirc 819$

6. $989 \bigcirc 989$



Explain why each comparison is true.

example
 $436 > 429$

Because 3 tens is greater
(ones, tens, or hundreds)
than 2 tens.
(ones, tens, or hundreds)

7. $503 > 499$

Because _____ is greater
than _____.

8. $358 < 360$

Because _____ is less than
_____.

9. $789 > 782$

Because _____ is greater
than _____.

10. $894 < 999$

Because _____ is less than
_____.

Fun & Engaging

Practice Students Need

NAME: Emmanuel TEKS 3.2B

NAME THAT NUMBER

place value relationships

2,000 is 10 x the value of **200**

Fill in the empty box to make each statement true.

500	is 10 x the value of	50
4,000	is 10 x the value of	400
7,000	is 10 x the value of	700
20,000	is 10 x the value of	2,000



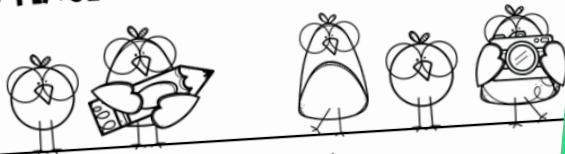
900	is 10 x the value of	90
500	is 10 x the value of	50
4,000	is 10 x the value of	400
	is 10 x the value of	800

MARVEL Math

Keys Included

TEKS 3.2B

PLACE VALUE relationships Name: _____



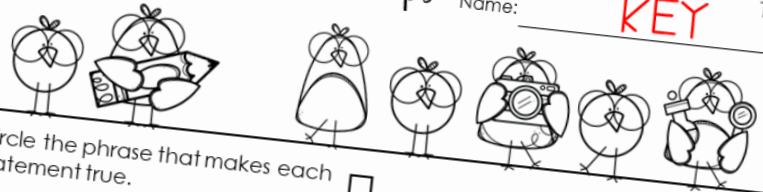
Circle the phrase that makes each statement true.



1. 7,000 is $10 \times$ not $10x$
2. 50 is $10 \times$ not $10x$
3. 50 is $10 \times$ not $10x$
4. 300 is $10 \times$ not $10x$
5. 50,000 is $10 \times$ not $10x$
6. 800 is $10 \times$ not $10x$
7. 70 is $10 \times$ not $10x$
8. 4,000 is $10 \times$ not $10x$
9. 2,000 is $10 \times$ not $10x$
10. 6,000 is $10 \times$ not $10x$

TEKS 3.2B

XIO PLACE VALUE relationships Name: _____



Circle the phrase that makes each statement true.



1. 7,000 is $10 \times$ not $10x$ the value of 700.
2. 50 is $10 \times$ not $10x$ the value of 500.
3. 50 is $10 \times$ not $10x$ the value of 5.
4. 300 is $10 \times$ not $10x$ the value of 3,000.
5. 50,000 is $10 \times$ not $10x$ the value of 5,000.
6. 800 is $10 \times$ not $10x$ the value of 80
7. 70 is $10 \times$ not $10x$ the value of 700.
8. 4,000 is $10 \times$ not $10x$ the value of 40,000.
9. 2,000 is $10 \times$ not $10x$ the value of 200.
10. 6,000 is $10 \times$ not $10x$ the value of 60.

KEY

TEKS 3.2B

Skills Covered

- Expanded Form and Expanded Notation
- Describing Place Value
- Rounding on a Number Line
- Comparing and Ordering Whole Numbers

ORDERING numbers

5-DIGIT NUMBERS

1. Order these numbers from **least to greatest**.

30,873 29,820 29,579 30,845

2. Order these numbers from **greatest to least**.

65,238 64,980 65,260 64,855

3. Order these numbers from **least to greatest**.

85,209 84,525 85,209

4. Read each set of clues. Determine the mystery number.

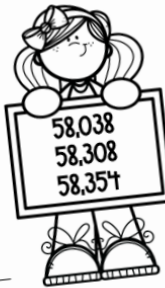
This number:

- Is greater than 48,300
- Is less than 48,750
- Has a digit less than 5 in the ones place



Name: _____

TEKS 3.2D



MYSTERY VALUES

Use the place value chart to help you see what each value is equal to. Example: To show the value of 35 hundreds, write in 35 so that it ends in the hundreds place. Then add zeros to the empty place values after it.

Name: _____



example 35 Hundreds

THOUSANDS			UNITS		
Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
			3	5	0 0

NAME THAT NUMBER

Name: _____

TEKS 3.2A

Write the standard form of each number in the box above each description.

20 tens	20 ones	20 thousands	20 hundreds
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55 hundreds	55 thousands	55 ones	55 tens
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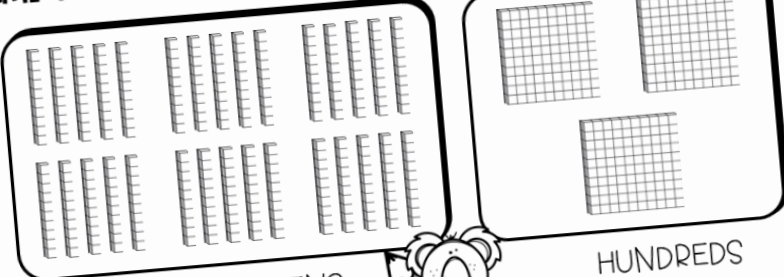
MARVEL Math

Print & Go Practice

TEKS 3.2B

SAME VALUE, DIFFERENT NUMBERS

Name: _____



____ TENS

____ HUNDREDS

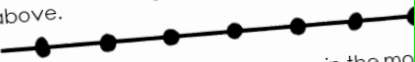
1. Describe each model.

2. What is the value of each model?

3. Fill in the blanks with numbers or phrases to describe the models above.

____ tens is _____ greater than, less than, or equal to _____

It takes _____ times as many _____ as _____ same value.



Think about the patterns you saw in the models. How can they help you answer these questions. You can use the page or on scratch paper.

4. How many ones would you need to _____

5. How many tens would you need to _____

6. How many hundreds would you need to _____

7. Think about how this pattern is related to the one you saw in the models. How can you see?

TEKS 3.2B

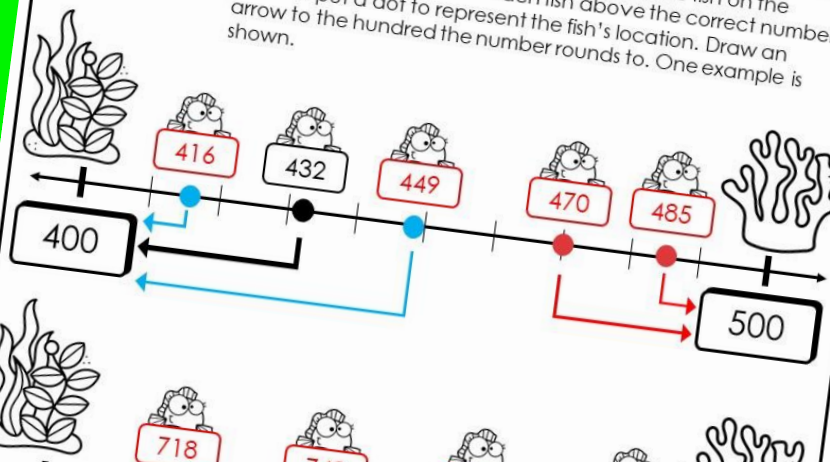
ROUNDING TO THE NEAREST HUNDRED

Name: Ellie



THE SHARK IS COMING where will the fish swim?

The shark is coming! Every fish needs to swim to the nearest hiding place. Help each fish decide where to swim by rounding its number to the nearest hundred. Cut out the fish on the bottom of the page. Glue each fish above the correct number line and put a dot to represent the fish's location. Draw an arrow to the hundred the number rounds to. One example is shown.



400

416

432

449

470

485

500

718

740



Built for the TEKS

TEKS 3.2A

PLACE VALUE dance party

Name: **Jacob**

Use a colored pencil or marker to make a laser light show for the dance party. Draw lines to match the number on the left with the equivalent value on the right

45
hundreds

16
thousands

45 tens

16
hundreds

7 tens and
3 ones

45
thousands

45 ones

73 tens

34

450

1,600

73

4,500

45,000

45

160

3,400

16,000

About the Author

This resource was created by Melissa Johnson, who has 16 years of k-10 teaching experience and a masters degree in Mathematics Education. Her resources build conceptual understanding, make connections between math topics and engage students in the mathematics they are learning.

