

MSP

Grade 2 Module 3

Lesson Refreshers

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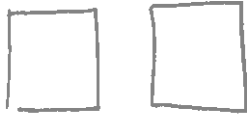
Homework Starters

Name _____

Date _____



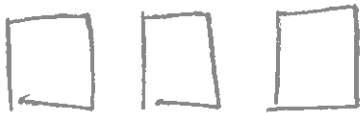
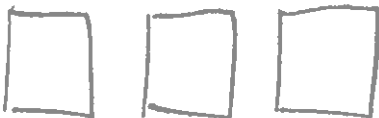
Draw models of ones, tens, and hundreds. Your teacher will tell you which numbers to model.



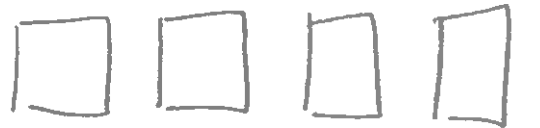
231



453



627



819

key: $\square = 100$ $| = 10$ $\bullet = 1$

Handwritten signature

Name _____

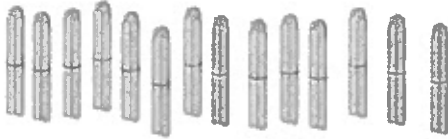
Date _____

add 3 to reach the next benchmark number

1. How many in all?

☆☆	☆☆	☆☆	☆☆	_____ ones = _____ tens
☆☆	☆☆	☆☆	☆☆	
☆☆	☆☆	☆☆	☆☆	_____ stars in all.
☆☆	☆☆	☆☆	☆☆	
☆☆	☆☆	☆☆	☆☆	

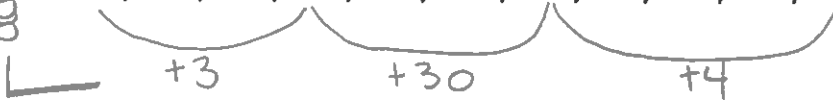
2. These are bundles with 10 sticks in each.



- a. How many tens are there? _____
- b. How many hundreds? _____
- c. How many sticks in all? _____

3. Sally did some counting. Look at her work. Explain why you think Sally counted this way.

177, 178, 179, 180, 190, 200, 210, 211, 212, 213, 214



$3+4=7$

$30+7=37$

This is a strategy for solving
 $177 + 37 = 214$

L. Shellman

Name _____ Date _____

1. Fill in the blanks to reach the benchmark numbers.

a. 14, _____, _____, _____, _____, _____, 20, _____, _____, 50

b. 73, _____, _____, _____, _____, _____, _____, 80, _____, 100, _____, 300, _____, 320

c. 65, _____, _____, _____, _____, _____, 70, _____, _____, 100

d. 30, _____, _____, _____, _____, _____, _____, 100, _____, _____, 400

2. These are ones, tens, and hundreds. How many sticks are there in all?

There are _____ sticks in all.

3. Show a way to count from 668 to 900 using ones, tens, and hundreds.

668, 669, 670, 680, 690, 700, 800, 900

+2 +30 +200

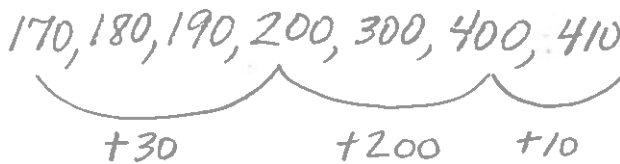
4. Imagine 585 on the place value chart. How many ones, tens, and hundreds are in each place?



5. Fill in the blanks to make a true number sentence.

12 ones = _____ ten _____ ones

6. Show a way to count from 170 to 410 using tens and hundreds.
Circle at least 1 benchmark number.



**All of these are benchmark numbers.*

7. Mrs. Sullivan's students are collecting cans for recycling. Frederick collected 20 cans, Donielle collected 9 cans, and Mina and Charlie each collected 100 cans. How many cans did the students collect in all?

L. Sullivan

3. Draw a line to match unit form with number form.

a. 1 hundred 1 one

H	T	O
1	0	1

* no tens

11

b. 1 ten 1 one =

H	T	O
	1	1

710

c. 7 tens 1 one =

110

d. 7 hundreds 1 one =

701

e. 1 hundred 1 ten =

101

f. 7 hundreds 1 ten =

71

make sure you use '0' to hold a place value

Name _____

Date _____

1. Match the numerals with the number names.

230

a. Two hundred thirty

b. Forty

c. Nine hundred sixty

d. Four hundred seventy

e. Eight hundred fifty

519

f. Five hundred nineteen

g. Four hundred seventeen

14

h. Fourteen

i. Nine hundred thirteen

j. Eight hundred fifteen

k. Five hundred ninety

l. Two hundred thirteen

m. Nine hundred sixteen

14

h

913

i

470

d

916

m

519

f

815

j

213

l

40

b

230

a.

960

c

417

g

850

e

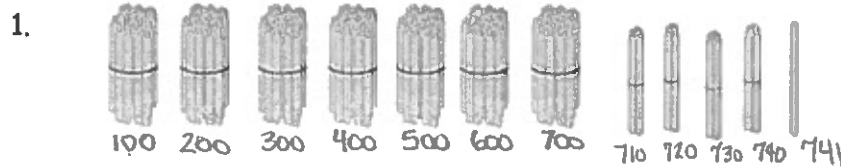
590

k

R. Shellman

Name _____ Date _____

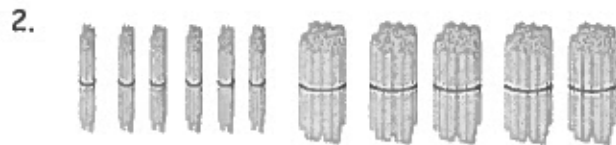
These are bundles of hundreds, tens, and ones. Write the standard form, expanded form, and word form for each number shown.



a. Standard Form 741

b. Expanded Form $700 + 40 + 1$

c. Word Form Seven hundred forty one



a. Standard Form _____

b. Expanded Form _____

c. Word Form _____

3. What is the unit value of the 3 in 432? _____

L. Skellman

Name _____

Date _____

1. Write the total value of the money.

\$10	\$10	\$10	\$10	\$10
\$10	\$10	\$10	\$10	\$1

\$91

H	T	O
	9	1

\$100	\$100	\$10	\$1	\$1
\$1	\$1	\$1	\$1	\$1

2. Fill in the bills with \$100, \$10, or \$1 to show the amount.

\$100	\$10	\$10	\$10	\$10
\$10	\$10	\$10	\$1	\$1

\$172

H	T	O
1	7	2

\$226

Be sure you put the bills in the correct column.

D. J. Sullivan

Name _____

Date _____

1. Write the total amount of money shown in each group.

a.

\$100	\$100
\$100	\$100
\$100	\$100
\$100	\$100
\$100	\$100

\$1000

b.

\$10	\$10
\$10	\$10
\$10	\$10
\$10	\$10
\$10	\$10
\$10	\$10

\$100

c.

\$1	\$1
\$1	\$1
\$1	\$1
\$1	\$1
\$1	\$1
\$1	\$1

\$10

d.

\$10	\$100
\$10	\$100
\$10	\$100
\$100	\$1
\$100	\$1

$$\begin{array}{r|l} H & T & O \\ \hline 5 & 3 & 2 \\ \hline \end{array}$$
\$532

2. Show one way to count from \$82 to \$512

R. Skillman

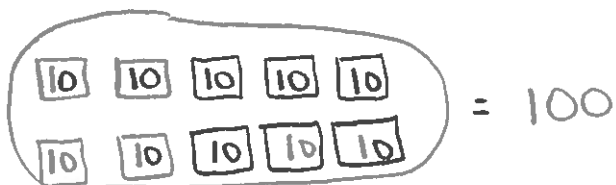
Name _____

Date _____

Jerry wonders, "How many \$10 bills are equal to a \$1,000 bill?"

Think about the strategies your friends used to answer Jerry's question. Answer the problem again using a different strategy than the one you used with your partner and for the Exit Ticket. Explain your solution using words, pictures, or numbers.

Remember to write your answer as a statement.



10 tens

= 100

★ Ten tens make 100

★ Ten hundreds make 1000

10 tens = 200

10 tens = 300

10 tens = 400

10 tens = 500

10 tens = 600

10 tens = 700

10 tens = 800

10 tens = 900

+ 10 tens = 1000

100 tens = 1000

R. Shelman

Name _____

Date _____

Note: Distribute the place value disk template. Students may cut it apart and store the place value disks in a baggie for use at home.

1. Model the following numbers for your parent using the fewest disks possible.

Whisper the numbers in standard form and unit form (1 hundred 3 tens 4 ones).

	H	T	O
a. 15		10	1 1 1 1 1
b. 152	100	10 10 10 10 10	1 1
c. 102			
d. 290			
e. 300			

2. Model the following numbers using the fewest place value disks possible. Whisper the numbers in standard form and unit form.

a. 42

f. 53

b. 420

g. 530

c. 320

h. 520

d. 402

i. 503

e. 442

j. 55

Name _____ Date _____

Count by ones from 368 to 500. Change for a larger unit when necessary.

When you counted from 368 to 500:

Did you make a larger unit at...	Yes, I changed to make:	No, I need _____
1. 377?	1 ten 1 hundred	<u>3</u> ones. ___ tens.
2. 392?	1 ten 1 hundred	<u>8</u> ones. ___ tens.
3. 400?	1 ten <u>1 hundred</u>	___ ones. ___ tens.
4. 418?	1 ten 1 hundred	<u>2</u> ones. ___ tens.
5. 463?	1 ten 1 hundred	<u>7</u> ones. ___ tens.
6. 470?	<u>1 ten</u> 1 hundred	___ ones. ___ tens.

3 ones to get to 380

8 ones to get to 400

2 ones to get to 420

7 ones to get to 470

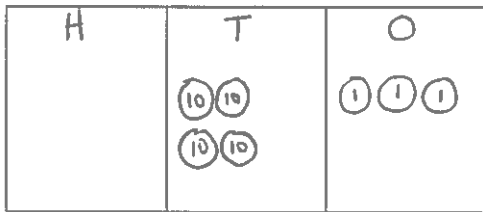
By Shellman

Name _____

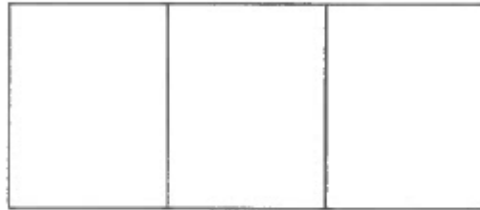
Date _____

Draw place value disks to show the numbers.

1. 43



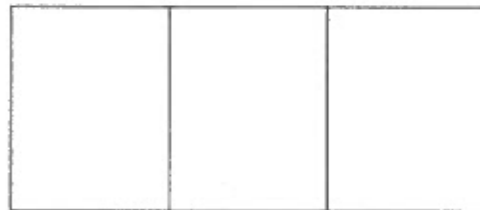
2. 430



3. 270



4. 720



5. 702



6. 936



When you have finished, use your whisper voice to read each number out loud in both unit and word form. How much does each number need to change for a ten?
For 1 hundred?

Name _____ Date _____

1. Whisper-talk the numbers and words as you fill in the blanks.

a. $16 = \underline{1}$ tens $\underline{6}$ ones

$16 = \underline{16}$ ones

b. $217 = \underline{2}$ hundreds $\underline{1}$ tens $\underline{7}$ ones

$217 = \underline{2}$ hundreds $\underline{17}$ ones

c. $320 = \underline{3}$ hundreds $\underline{2}$ tens $\underline{0}$ ones

$320 = \underline{32}$ tens $\underline{0}$ ones

d. $139 = \underline{1}$ hundreds $\underline{3}$ tens $\underline{9}$ ones

$139 = \underline{13}$ tens $\underline{9}$ ones

e. $473 = \underline{\quad}$ hundreds $\underline{\quad}$ tens $\underline{\quad}$ ones

$473 = \underline{\quad}$ tens $\underline{\quad}$ ones

f. $680 = \underline{\quad}$ hundreds $\underline{\quad}$ tens

$680 = \underline{\quad}$ tens

g. $817 = \underline{\quad}$ hundreds $\underline{\quad}$ ones

$817 = \underline{\quad}$ tens $\underline{\quad}$ ones

h. $921 = \underline{\quad}$ hundreds $\underline{\quad}$ ones

$921 = \underline{\quad}$ tens $\underline{\quad}$ ones

Be sure to read
the labels:
-hundreds
-tens
-ones

Names _____ and _____

Date _____

Pencils come in boxes of 10.

There are 14 boxes.

1. How many pencils are there in all? Explain your answer using words, pictures, or numbers.

Find a total

100

40

$100 + 40 = 140$

2. The principal wants to have 300 pencils for the second graders for October, November, and December. How many more boxes of pencils does he need? Explain your answer using words, pictures, or numbers.

Count up

Start with the number of pencils you already have -

$$140 + \boxed{10} + \boxed{10} + \boxed{10} + \boxed{10} + \boxed{10} + \boxed{10} = 200$$

$$200 + \boxed{10} + \boxed{10} + \boxed{10} + \boxed{10} + \boxed{10} + \boxed{10} + \boxed{10} + \boxed{10} + \boxed{10} = 300$$

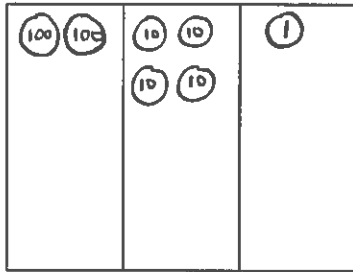
Now, count the number of boxes you added on. ☆ 16 more boxes ☆

Name _____

Date _____

1. Draw the following numbers using place value disks on the place value charts. Answer the questions below.

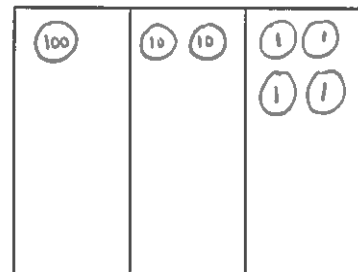
a. 241



b. 412



c. 124



d. Order the numbers from least to greatest: 124, 241, 412

2. Circle *less than* or *greater than*. Whisper the complete sentence.

a. 112 is less than / greater than 135.	d. 475 is less than / greater than 457.
b. 152 is less than / greater than 157.	e. $300 + 60 + 5$ is less than / greater than 635.
c. 214 is less than / greater than 204.	f. 4 tens and 2 ones is less than / greater than 24.

3. Write $>$, $<$, or $=$.

a. 100 99

e. 150 $90 + 50$

b. 316 361

f. 9 tens 6 ones 92

c. 523 525

g. 6 tens 8 ones $50 + 18$

d. 602 six hundred two

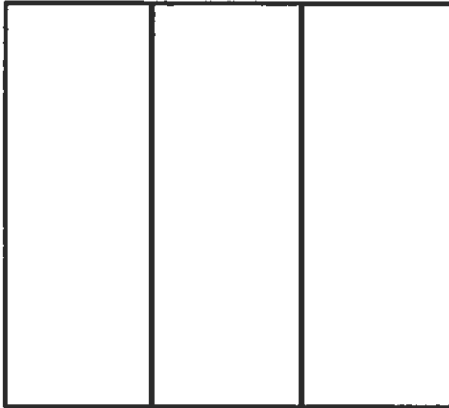
h. $84 - 10$ 7 tens 5 ones

Name _____

Date _____

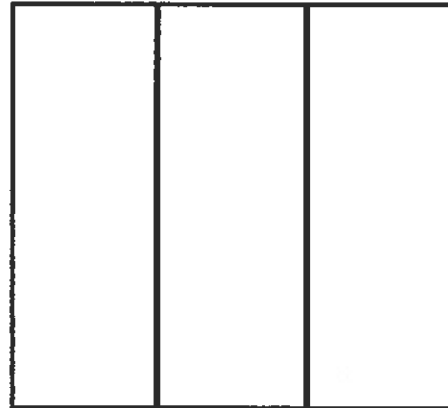
1. Whisper count as you show the numbers with place value disks. Circle $>$, $<$, or $=$.

a. Draw 13 ones and 2 hundreds.



b. Draw 12 tens and 8 ones.

$<$
 $=$
 $>$



2. Write $>$, $<$, or $=$.

a. 199 $>$ 10 tens ¹⁰⁰ (100)

b. 236 $>$ 23 tens 5 ones ²³⁵ (235)

c. 21 tens $<$ Two hundred twenty ²¹⁰ ²²⁰

d. 380 $>$ 3 hundred 8 tens ³⁰⁸

e. $20 + 4 + 500$ $>$ 2 ones 45 tens ⁵²⁴ ⁴⁵²

f. $600 + 7$ $<$ 76 tens ⁶⁰⁷ ⁷⁶⁰

g. $400 + 2 + 50$ \bigcirc 524

h. 59 tens + 2 tens \bigcirc 610

i. 506 \bigcirc 50 tens

j. 97 tens - 12 tens \bigcirc 85

k. 67 tens + 10 tens \bigcirc 7 hundreds 7 ones

l. 8 hundreds 13 ones \bigcirc 75 tens

★ Write all numbers in standard form.

Name _____

Date _____

1. Draw the following values on the place value charts as you think best.

a. 241

--	--	--

b. 412

--	--	--

c. 124

--	--	--

d. Order the numbers from least to greatest: _____, _____, _____

2. Order the following from least to greatest in standard form.

a. 537 263 912

263, 537, 912

b. ²³⁰two hundred thirty 213 ²⁰³20 tens 3 ones

203, 213, 230

c. ⁴⁸⁵400 + 80 + 5 ⁸⁵⁴4 + 800 + 50 845

485, 845, 854

3. Order the following from greatest to least in standard form.

a. 11 ones 3 hundreds 311 10 + 1 + 300 _____, _____, _____

b. 7 ones 9 hundred 79 tens + 10 tens 970 _____, _____, _____

c. 15 ones 4 hundreds 154 50 + 1 + 400 _____, _____, _____

**Write each number in standard form first.*

D. J. Shelton

Name _____

Date _____

1. Fill in the chart. Whisper the complete sentence: "___ more/less than ___ is ___."

	146	235	357	481	672	814
hundreds 100 more	<u>2</u> 46					
hundreds 100 less	<u>0</u> 46					
tens 10 more	1 <u>5</u> 6					
tens 10 less	1 <u>3</u> 6					
ones 1 more	14 <u>7</u>					
ones 1 less	14 <u>5</u>					

2. Fill in the blanks. Whisper the complete sentence.

a. 1 more than 103 is _____.

f. _____ less than 422 is 421.

b. 10 more than 378 is _____.

g. 1 more than _____ is 619.

c. 100 less than 545 is _____.

h. 10 less than _____ is 546.

d. _____ more than 123 is 223.

i. 100 less than _____ is 818.

e. _____ less than 987 is 977.

j. 10 more than _____ is 974.

Name _____ Date _____

1. Fill in the blanks. Whisper the complete sentence.

- a. 1 less than 160 is _____.
- b. 10 more than 392 is _____.
- c. 100 less than 425 is _____.
- d. _____ more than 549 is 550.
- e. _____ more than 691 is 701.
- f. 10 more than _____ is 704.
- g. 100 less than _____ is 986.
- h. 10 less than _____ is 815.

2. Count the numbers aloud to a parent:

- a. Count by 1s from 204 to 212.
- b. Skip-count by 10s from 376 to 436.
- c. Skip-count by 10s from 582 to 632.
- d. Skip-count by 100s from 908 to 8.

3. Henry enjoys watching his pet frog hop.

Each time his frog hops, Henry skip-counts backward by 100s.

Henry starts his first count at 815.

How many times does his frog have to jump to get to 15?

Explain your thinking below.

15, 115, 215, 315, 415, 515, 615, 715, 815

-100 -100 -100 -100 -100 -100 -100 -100

The frog will jump back 8 times.

Name _____ Date _____

1. Find the pattern. Fill in the blanks.

add 1

a. $\overset{+1}{\curvearrowright}$ 396, 397, 398, 399, _____, _____

add 100

b. $\overset{+100}{\curvearrowright}$ 251, 351, 451, 551, _____, _____

add 10

c. $\overset{+10}{\curvearrowright}$ 476, 486, 496, 506, _____, _____

d. 630, 620, _____, _____, _____, _____

e. 208, 209, _____, _____, _____, 213

f. 316, _____, _____, 616, 716, _____

g. 547, _____, 527, _____, 507, _____

h. 672, _____, 692, _____, _____

2. Fill in the chart.

	206				
			218		
					230
		237			

L. Shellman