

A Story of Units[®]

Eureka Math[™]

Grade 2, Module 4

Student File_A

*Contains copy-ready classwork and homework
as well as templates (including cut outs)*

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10 9 8 7 6 5 4 3 2 1

Name _____

Date _____

1. Complete each more or less statement.

a. 1 more than 66 is _____.

b. 10 more than 66 is _____.

c. 1 less than 66 is _____.

d. 10 less than 66 is _____.

e. 56 is 10 more than _____.

f. 88 is 1 less than _____.

g. _____ is 10 less than 67.

h. _____ is 1 more than 72.

i. 86 is _____ than 96.

j. 78 is _____ than 79.

2. Circle the rule for each pattern.

a. 34, 33, 32, 31, 30, 29

1 less

1 more

10 less

10 more

b. 53, 63, 73, 83, 93

1 less

1 more

10 less

10 more

3. Complete each pattern.

a. 37, 38, 39, _____, _____, _____

b. 68, 58, 48, _____, _____, _____

c. 51, 50, _____, _____, _____, 46

d. 9, 19, _____, _____, _____, 59

4. Complete each statement to show mental math using the arrow way.

a. $39 \xrightarrow{+1} \underline{\quad}$ $56 \xrightarrow{+10} \underline{\quad}$ $42 \xrightarrow{-10} \underline{\quad}$ $80 \xrightarrow{-1} \underline{\quad}$

b. $32 \xrightarrow{+1} \underline{\quad} \xrightarrow{+\underline{\quad}} 43$ $87 \xrightarrow{-10} \underline{\quad} \xrightarrow{-1} \underline{\quad}$

c. $48 \xrightarrow{+10} \underline{\quad} \xrightarrow{+\underline{\quad}} 68 \xrightarrow{+10} \underline{\quad} \xrightarrow{+1} \underline{\quad} \xrightarrow{+1} \underline{\quad}$

5. Complete each sequence.

a. $45 \xrightarrow{+10} \underline{\quad} \xrightarrow{-1} \underline{\quad} \xrightarrow{-1} \underline{\quad} \xrightarrow{-10} \underline{\quad} \xrightarrow{-10} \underline{\quad}$

b. $61 \xrightarrow{-1} \underline{\quad} \xrightarrow{-1} \underline{\quad} \xrightarrow{+10} \underline{\quad} \xrightarrow{+10} \underline{\quad} \xrightarrow{-1} \underline{\quad}$

6. Solve each word problem using the arrow way to record your mental math.

a. Yesterday Isaiah made 39 favor bags for his party. Today he made 23 more. How many favor bags did he make for his party?

b. There are 61 balloons. 12 blew away. How many are left?

Name _____

Date _____

1. Complete each more or less statement.

a. 1 more than 37 is _____.

b. 10 more than 37 is _____.

c. 1 less than 37 is _____.

d. 10 less than 37 is _____.

e. 58 is 10 more than _____.

f. 29 is 1 less than _____.

g. _____ is 10 less than 45.

h. _____ is 1 more than 38.

i. 49 is _____ than 50.

j. 32 is _____ than 22.

2. Complete each pattern and write the rule.

a. 44, 45, _____, _____, 48

Rule: _____

b. 44, _____, 24, _____, 4

Rule: _____

c. 44, _____, _____, 74, 84

Rule: _____

d. _____, 43, 42, _____, 40

Rule: _____

e. _____, _____, 44, 34, _____

Rule: _____

f. 41, _____, _____, 38, 37

Rule: _____

3. Label each statement as true or false.

a. 1 more than 36 is the same as 1 less than 38. _____

b. 10 less than 47 is the same as 1 more than 35. _____

c. 10 less than 89 is the same as 1 less than 90. _____

d. 10 more than 41 is the same as 1 less than 43. _____

4. Below is a chart of balloons at the county fair.

Color of Balloons	Number of Balloons
Red	59
Yellow	61
Green	65
Blue	
Pink	

a. Use the following to complete the chart and answer the question.

- The fair has 1 more blue than red balloons.
- There are 10 fewer pink than yellow balloons.

Are there more blue or pink balloons?

b. If 1 red balloon pops and 10 red balloons fly away, how many red balloons are left? Use the arrow way to show your work.

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unlabeled tens place value chart

Name _____

Date _____

1. Solve using place value strategies. Use your personal white board to show the arrow way or number bonds, or just use mental math, and record your answers.

a. 5 tens + 3 tens = _____ tens 2 tens + 7 tens = _____ tens

$50 + 30 = \underline{\quad\quad}$

$20 + 70 = \underline{\quad\quad}$

b. $24 + 30 = \underline{\quad\quad}$ $50 + 24 = \underline{\quad\quad}$ $14 + 50 = \underline{\quad\quad}$

c. $20 + 37 = \underline{\quad\quad}$ $37 + 40 = \underline{\quad\quad}$ $60 + 27 = \underline{\quad\quad}$

d. $57 + \underline{\quad\quad} = 87$ $\underline{\quad\quad} + 34 = 74$ $19 + \underline{\quad\quad} = 69$

e. $\underline{\quad\quad} + 56 = 86$ $38 + \underline{\quad\quad} = 78$ $12 + \underline{\quad\quad} = 72$

2. Solve using place value strategies.

a. 8 tens - 2 tens = _____ tens 7 tens - 3 tens = _____ tens

$80 - 20 = \underline{\quad\quad}$

$70 - 30 = \underline{\quad\quad}$

b. $78 - 40 = \underline{\quad\quad}$ $56 - 30 = \underline{\quad\quad}$ $88 - 50 = \underline{\quad\quad}$

c. $84 - \underline{\quad\quad} = 24$ $57 - \underline{\quad\quad} = 37$ $93 - \underline{\quad\quad} = 43$

d. $83 - \underline{\quad\quad} = 23$ $54 - \underline{\quad\quad} = 34$ $91 - \underline{\quad\quad} = 41$

3. Solve.

a. $39 + \underline{\hspace{2cm}} = 69$

b. $8 \text{ tens } 7 \text{ ones} - 3 \text{ tens} = \underline{\hspace{2cm}}$

c. $\underline{\hspace{2cm}} + 5 \text{ tens} = 7 \text{ tens}$

d. $\underline{\hspace{2cm}} + 5 \text{ tens } 6 \text{ ones} = 8 \text{ tens } 6 \text{ ones}$

e. $48 \text{ ones} - 2 \text{ tens} = \underline{\hspace{1cm}} \text{ tens } \underline{\hspace{1cm}} \text{ ones}$

4. Mark had 78 puzzle pieces. He lost 30 pieces. How many pieces does Mark have left? Use the arrow way to show your simplifying strategy.

Name _____

Date _____

1. Solve using place value strategies. Use scrap paper to show the arrow way or number bonds, or just use mental math, and record your answers.

<p>a. 2 tens + 3 tens = _____ tens 20 + 30 = _____</p> <p>2 tens 4 ones + 3 tens = ___ tens ___ ones 24 + 30 = _____</p>	<p>b. 5 tens + 4 tens = _____ tens 50 + 40 = _____</p> <p>5 tens 9 ones + 4 tens = ___ tens ___ ones 59 + 40 = _____</p>
--	--

c. $28 + 40 =$ _____

$18 + 30 =$ _____

$60 + 38 =$ _____

d. $30 + 25 =$ _____

$35 + 50 =$ _____

$15 + 20 =$ _____

e. $37 +$ _____ $= 47$

_____ $+ 27 = 57$

$17 +$ _____ $= 87$

f. _____ $+ 22 = 62$

$29 +$ _____ $= 79$

$11 +$ _____ $= 91$

2. Find each sum. Then use $>$, $<$, or $=$ to compare.

a. $23 + 40$ _____ $20 + 33$

d. $64 + 10$ _____ $49 + 20$

b. $50 + 18$ _____ $48 + 20$

e. $70 + 21$ _____ $18 + 80$

c. $19 + 60$ _____ $39 + 30$

f. $35 + 50$ _____ $26 + 60$

3. Solve using place value strategies.

a. 6 tens – 2 tens = ____ tens 60 – 20 = _____	b. 8 tens – 5 tens = ____ tens 80 – 50 = _____
6 tens 3 ones – 3 tens = ____ tens ____ ones 63 – 30 = _____	8 tens 9 ones – 5 tens = ____ tens ____ ones 89 – 50 = _____

c. $55 - 20 = \underline{\hspace{2cm}}$ $75 - 30 = \underline{\hspace{2cm}}$ $85 - 50 = \underline{\hspace{2cm}}$

d. $72 - \underline{\hspace{2cm}} = 22$ $49 - \underline{\hspace{2cm}} = 19$ $88 - \underline{\hspace{2cm}} = 28$

e. $67 - \underline{\hspace{2cm}} = 47$ $71 - \underline{\hspace{2cm}} = 51$ $99 - \underline{\hspace{2cm}} = 69$

4. Complete each more than or less than statement.

a. 20 less than 58 is _____. b. 36 more than 40 is _____.

c. 40 less than _____ is 28. d. 50 more than _____ is 64.

5. There were 68 plates in the sink at the end of the day. There were 40 plates in the sink at the beginning of the day. How many plates were added throughout the day? Use the arrow way to show your simplifying strategy.

Name _____

Date _____

1. Solve each using the arrow way.

a.

$38 + 20$

$38 + 21$

$38 + 19$

b.

$47 + 40$

$47 + 41$

$47 + 39$

c.

$34 - 10$

$34 - 11$

$34 - 9$

d.

$45 - 20$

$45 - 21$

$45 - 19$

2. Solve using the arrow way, number bonds, or mental math. Use scrap paper if needed.

a.	$49 + 20 = \underline{\hspace{2cm}}$	$21 + 49 = \underline{\hspace{2cm}}$	$49 + 19 = \underline{\hspace{2cm}}$
b.	$23 + 70 = \underline{\hspace{2cm}}$	$23 + 71 = \underline{\hspace{2cm}}$	$69 + 23 = \underline{\hspace{2cm}}$
c.	$84 - 20 = \underline{\hspace{2cm}}$	$84 - 21 = \underline{\hspace{2cm}}$	$84 - 19 = \underline{\hspace{2cm}}$
d.	$94 - 41 = \underline{\hspace{2cm}}$	$94 - 39 = \underline{\hspace{2cm}}$	$94 - 37 = \underline{\hspace{2cm}}$
e.	$73 - 29 = \underline{\hspace{2cm}}$	$52 - 29 = \underline{\hspace{2cm}}$	$85 - 29 = \underline{\hspace{2cm}}$

3. Jessie's mom buys snacks for his classroom. She buys 22 apples, 19 oranges, and 49 strawberries. How many pieces of fruit does Jessie's mom buy?

Name _____

Date _____

1. Solve using the arrow way. The first set is done for you.

<p>a.</p> $67 + 20 = \underline{87}$ $67 \xrightarrow{+20} \underline{87}$ $67 + 21 = \underline{88}$ $67 \xrightarrow{+20} \underline{87} \xrightarrow{+1} \underline{88}$ $67 + 19 = \underline{86}$ $67 \xrightarrow{+20} \underline{87} \xrightarrow{-1} \underline{86}$	<p>b.</p> $56 + 40 = \underline{\quad}$ $56 + 41 = \underline{\quad}$ $56 + 39 = \underline{\quad}$
<p>c.</p> $68 - 40 = \underline{\quad}$ $68 - 41 = \underline{\quad}$ $68 - 39 = \underline{\quad}$	<p>d.</p> $87 - 50 = \underline{\quad}$ $87 - 51 = \underline{\quad}$ $87 - 49 = \underline{\quad}$

2. Solve using the arrow way, number bonds, or mental math. Use scrap paper if needed.

a. $48 - 20 = \underline{\quad}$ $48 - 21 = \underline{\quad}$ $48 - 19 = \underline{\quad}$	b. $86 - 50 = \underline{\quad}$ $86 - 51 = \underline{\quad}$ $86 - 49 = \underline{\quad}$	c. $37 + 40 = \underline{\quad}$ $37 + 41 = \underline{\quad}$ $37 + 39 = \underline{\quad}$
d. $62 + 30 = \underline{\quad}$ $62 + 31 = \underline{\quad}$ $62 + 29 = \underline{\quad}$	e. $77 - 40 = \underline{\quad}$ $77 - 41 = \underline{\quad}$ $77 - 39 = \underline{\quad}$	f. $28 + 50 = \underline{\quad}$ $28 + 51 = \underline{\quad}$ $28 + 49 = \underline{\quad}$

3. Marcy had \$84 in the bank. She took \$39 out of her account. How much does she have in her account now?
4. Brian has 92 cm of rope. He cuts off a piece 49 cm long to tie a package.
- How much rope does Brian have left?
 - To tie a different package, Brian needs another piece of rope that is 8 cm shorter than the piece he just cut. Does he have enough rope left?

Name _____

Date _____

1. Solve. Draw and label a tape diagram to subtract tens. Write the new number sentence.

a. $23 - 9 = \underline{24 - 10} = \underline{\quad}$

	23
--	----

	9
--	---

b. $32 - 19 = \underline{\quad} = \underline{\quad}$

--	-------

--	-------

c. $50 - 29 = \underline{\quad} = \underline{\quad}$

d. $47 - 28 = \underline{\quad} = \underline{\quad}$

2. Solve. Draw and label a tape diagram to add tens. Write the new number sentence.

a. $29 + 46 = \underline{30 + 45} = \underline{\quad}$

29	1	45
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b. $38 + 45 = \underline{\quad} = \underline{\quad}$

c. $61 + 29 = \underline{\quad} = \underline{\quad}$

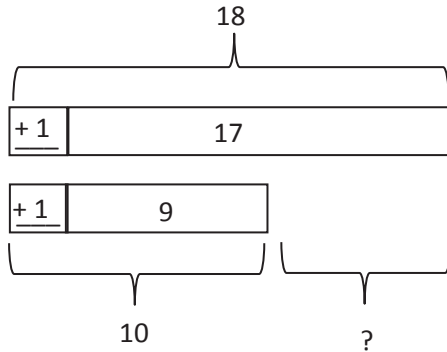
d. $27 + 68 = \underline{\quad} = \underline{\quad}$

Name _____

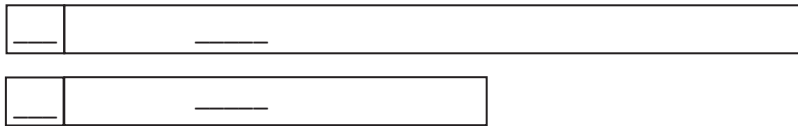
Date _____

1. Solve. Draw and label a tape diagram to subtract 10, 20, 30, 40, etc.

a. $17 - 9 = \underline{18 - 10} = \underline{\quad}$



b. $33 - 19 = \underline{\quad} = \underline{\quad}$

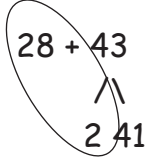


c. $60 - 29 = \underline{\quad} = \underline{\quad}$

d. $56 - 38 = \underline{\quad} = \underline{\quad}$

2. Solve. Draw a number bond to add 10, 20, 30, 40, etc.

a. $28 + 43 = \underline{30 + 41} = \underline{\quad}$



b. $49 + 26 = \underline{\quad} = \underline{\quad}$

c. $43 + 19 = \underline{\quad} = \underline{\quad}$

d. $67 + 28 = \underline{\quad} = \underline{\quad}$

3. Kylie has 28 more oranges than Cynthia. Kylie has 63 oranges. How many oranges does Cynthia have? Draw a tape diagram or number bond to solve.

Name _____

Date _____

Solve and show your strategy.

1. 39 books were on the top bookshelf. Marcy added 48 more books to the top shelf. How many books are on the top shelf now?

2. There are 53 regular pencils and some colored pencils in the bin. There are a total of 91 pencils in the bin. How many colored pencils are in the bin?

3. Henry solved 24 of his homework problems. There were 51 left to do. How many math problems were there on his homework sheet?

4. Matthew has 68 stickers. His brother has 29 fewer stickers.

a. How many stickers does Matthew's brother have?

b. How many stickers do Matthew and his brother have altogether?

Name _____

Date _____

Solve and show your strategy.

1. 38 markers were in the bin. Chase added the 43 markers that were on the floor to the bin. How many markers are in the bin now?

2. There are 29 fewer big stickers on the sticker sheet than little stickers. There are 62 little stickers on the sheet. How many big stickers are there?

3. Rose has 34 photos in a photo album and 41 photos in a box. How many photos does Rose have?
4. Halle has two ribbons. The blue ribbon is 58 cm. The green ribbon is 38 cm longer than the blue ribbon.
- a. How long is the green ribbon?
- b. Halle uses 67 cm of green ribbon to wrap a present. How much green ribbon is left?

Name _____

Date _____

1. Solve using mental math, if you can. Use your place value chart and place value disks to solve those you cannot solve mentally.

a. $6 + 8 =$ _____ $30 + 8 =$ _____ $36 + 8 =$ _____ $36 + 48 =$ _____

b. $5 + 7 =$ _____ $20 + 7 =$ _____ $25 + 7 =$ _____ $25 + 57 =$ _____

2. Solve the following problems using your place value chart and place value disks. Compose a ten, if needed. Think about which ones you can solve mentally, too!

a. $35 + 5 =$ _____ $35 + 6 =$ _____

b. $26 + 4 =$ _____ $26 + 5 =$ _____

c. $54 + 15 =$ _____ $54 + 18 =$ _____

d. $67 + 23 =$ _____ $67 + 25 =$ _____

e. $45 + 26 =$ _____ $45 + 23 =$ _____

f. $58 + 23 =$ _____ $58 + 25 =$ _____

g. $49 + 37 =$ _____ $52 + 36 =$ _____

3. There are 47 blue buttons and 25 black buttons in Sean's drawer. How many buttons are in his drawer?

For early finishers:

4. Leslie has 24 blue and 24 pink hair ribbons. She buys 17 more blue ribbons and 13 more pink ribbons from the store.
- a. How many blue hair ribbons does she have now?
- b. How many pink hair ribbons does she have now?
- c. Jada has 29 more pink ribbons than Leslie. How many pink ribbons does Jada have?

Name _____

Date _____

1. Solve using mental math, if you can. Use your place value chart and place value disks to solve those you cannot do mentally.

a. $4 + 9 = \underline{\quad}$ $30 + 9 = \underline{\quad}$ $34 + 9 = \underline{\quad}$ $34 + 49 = \underline{\quad}$

b. $6 + 8 = \underline{\quad}$ $20 + 8 = \underline{\quad}$ $26 + 8 = \underline{\quad}$ $26 + 58 = \underline{\quad}$

2. Solve the following problems using your place value chart and place value disks. Compose a ten, if needed. Think about which ones you can solve mentally, too!

a. $21 + 9 = \underline{\quad}$ $22 + 9 = \underline{\quad}$

b. $28 + 2 = \underline{\quad}$ $28 + 4 = \underline{\quad}$

c. $32 + 16 = \underline{\quad}$ $34 + 17 = \underline{\quad}$

d. $47 + 23 = \underline{\quad}$ $47 + 25 = \underline{\quad}$

e. $53 + 35 = \underline{\quad}$ $58 + 35 = \underline{\quad}$

f. $58 + 42 = \underline{\quad}$ $58 + 45 = \underline{\quad}$

g. $69 + 32 = \underline{\quad}$ $36 + 62 = \underline{\quad}$

h. $77 + 13 = \underline{\quad}$ $16 + 77 = \underline{\quad}$

i. $59 + 34 = \underline{\quad}$ $31 + 58 = \underline{\quad}$

Solve using a place value chart.

- Melissa has 36 more crayons than her brother. Her brother has 49 crayons. How many crayons does Melissa have?
- There were 67 candles on Grandma's birthday cake and 26 left in the box. How many candles were there in all?
- Frank's mother gave him \$25 to save. If he already had \$38 saved, how much money does Frank have saved now?

Name _____

Date _____

1. Solve the following problems using the vertical form, your place value chart, and place value disks. Bundle a ten, when necessary. Think about which ones you can solve mentally, too!

a. $22 + 8$

$21 + 9$

b. $34 + 17$

$33 + 18$

c. $48 + 34$

$46 + 36$

d. $27 + 68$

$26 + 69$

Name _____

Date _____

1. Solve the following problems using the vertical form, your place value chart, and place value disks. Bundle a ten, if needed. Think about which ones you can solve mentally, too!

a. $31 + 9$

$32 + 8$

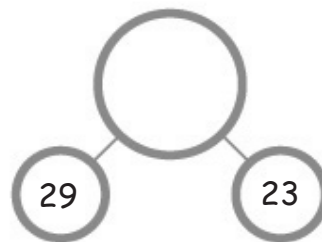
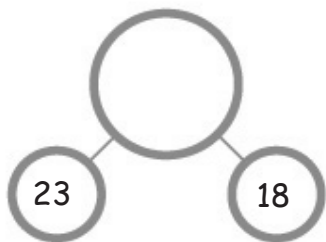
b. $42 + 18$

$43 + 17$

c. $26 + 67$

$28 + 65$

2. Add the bottom numbers to find the missing number above it.



3. Jahsir counted 63 flowers by the door and 28 flowers on the windowsill. How many flowers were by the door and on the windowsill?
4. Antonio's string is 38 centimeters longer than his reading book. The length of his reading book is 26 centimeters.
- a. What is the length of Antonio's string?
- b. The length of Antonio's reading book is 20 centimeters shorter than the length of his desk. How long is Antonio's desk?

Name _____

Date _____

1. Solve vertically. Draw and bundle place value disks on the place value chart.

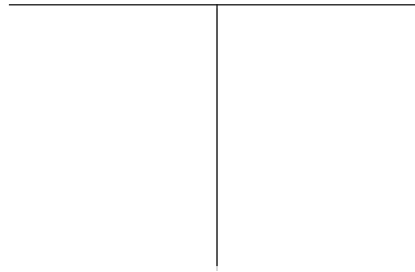
a. $27 + 15 =$ _____

b. $44 + 26 =$ _____

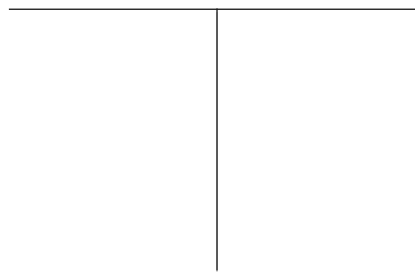
c. $48 + 31 =$ _____

d. $33 + 59 =$ _____

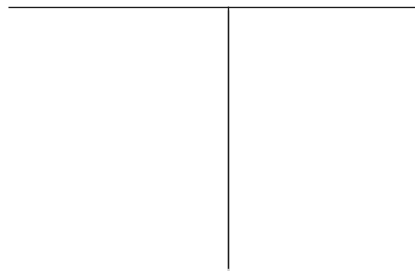
e. $27 + 45 =$ _____



f. $18 + 68 =$ _____

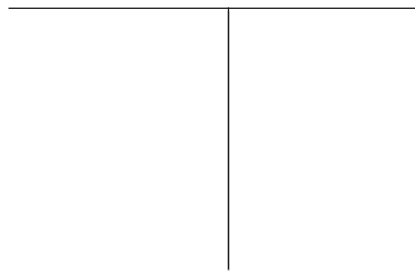


2. There are 23 laptops in the computer room and 27 laptops in the first-grade classroom. How many laptops are in the computer room and first-grade classroom altogether?



For early finishers:

3. Mrs. Anderson gave 36 pencils to her class and had 48 left over. How many pencils did Mrs. Anderson have at first?



Name _____

Date _____

1. Solve vertically. Draw and bundle place value disks on the place value chart.

a. $26 + 35 =$ _____

A place value chart consisting of a horizontal line at the top, a vertical line extending downwards from the center, and a horizontal line at the bottom, forming two columns and two rows.

b. $28 + 14 =$ _____

A place value chart consisting of a horizontal line at the top, a vertical line extending downwards from the center, and a horizontal line at the bottom, forming two columns and two rows.

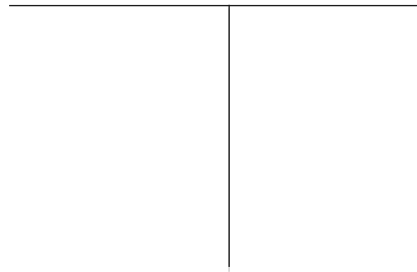
c. $35 + 27 =$ _____

A place value chart consisting of a horizontal line at the top, a vertical line extending downwards from the center, and a horizontal line at the bottom, forming two columns and two rows.

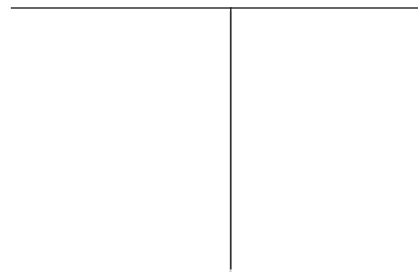
d. $23 + 46 =$ _____

A place value chart consisting of a horizontal line at the top, a vertical line extending downwards from the center, and a horizontal line at the bottom, forming two columns and two rows.

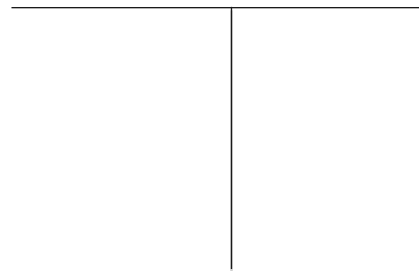
e. $32 + 59 =$ _____



2. Twenty-eight second-grade students went on a field trip to the zoo. The other 24 second-grade students stayed at school. How many second-grade students are there in all?



3. Alice cut a 27-cm piece of ribbon and had 39 cm of ribbon left over. How much ribbon did Alice have at first?



Name _____

Date _____

1. Solve using the algorithm. Draw and bundle chips on the place value chart.

a. $123 + 16 =$ _____

hundreds	tens	ones

b. $111 + 79 =$ _____

hundreds	tens	ones

c. $109 + 33 =$ _____

hundreds	tens	ones

d. $57 + 138 =$ _____

hundreds	tens	ones

2. Jose sold 127 books in the morning. He sold another 35 books in the afternoon. At the end of the day he had 19 books left.

- a. How many books did Jose sell?

hundreds	tens	ones

- b. How many books did Jose have at the beginning of the day?

hundreds	tens	ones

Name _____

Date _____

1. Solve using the algorithm. Draw and bundle chips on the place value chart.

a. $127 + 14 =$ _____

hundreds	tens	ones

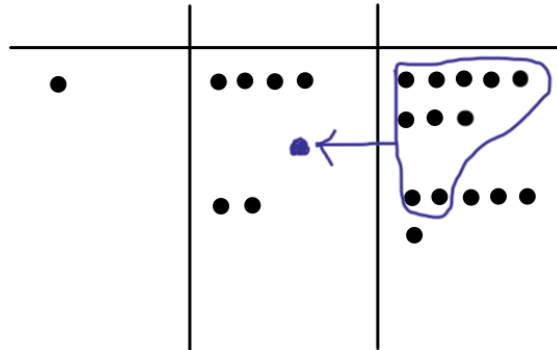
b. $135 + 46 =$ _____

hundreds	tens	ones

c. $108 + 37 =$ _____

hundreds	tens	ones

2. Solve using the algorithm. Write a number sentence for the problem modeled on the place value chart.



3. Jane made 48 lemon bars and 23 cookies.
- a. How many lemon bars and cookies did Jane make?

hundreds	tens	ones

- b. Jane made 19 more lemon bars. How many lemon bars does she have?

hundreds	tens	ones

Name _____

Date _____

1. Solve using the algorithm. Draw chips and bundle when you can.

a. $127 + 18 =$ _____

hundreds	tens	ones

b. $136 + 16 =$ _____

hundreds	tens	ones

c. $109 + 41 =$ _____

hundreds	tens	ones

d. $29 + 148 =$ _____

hundreds	tens	ones

e. $79 + 107 =$ _____

hundreds	tens	ones

Before bundling a ten _____ hundreds _____ tens _____ ones

After bundling a ten _____ hundreds _____ tens _____ ones

2. a. On Saturday, Colleen earned 4 ten-dollar bills and 18 one-dollar bills working on the farm. How much money did Colleen earn?

hundreds	tens	ones

- b. On Sunday, Colleen earned 2 ten-dollar bills and 16 one-dollar bills. How much money did she earn on both days?

hundreds	tens	ones

Name _____

Date _____

1. Solve using the algorithm. Draw chips and bundle when you can.

a. $125 + 17 =$ _____

hundreds	tens	ones

b. $148 + 14 =$ _____

hundreds	tens	ones


c. $107 + 56 =$ _____

hundreds	tens	ones

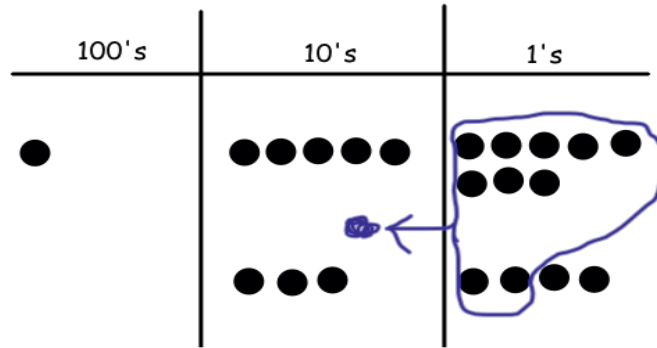
d. $38 + 149 =$ _____

hundreds	tens	ones

2. Jamie started to solve this problem when she accidentally dropped paint on her sheet. Can you figure out what problem she was given and her answer by looking at her work?

1  = _____

_____ + _____ = _____



3. a. In the morning, Mateo borrowed 4 bundles of ten markers and 17 loose markers from the art teacher. How many markers did Mateo borrow?

hundreds	tens	ones

- b. In the afternoon, Mateo borrowed 2 bundles of ten crayons and 15 loose crayons. How many markers and crayons did Mateo borrow in all?

hundreds	tens	ones

Name _____

Date _____

1. Solve using mental math.

a. $8 - 7 = \underline{\quad}$ $38 - 7 = \underline{\quad}$ $38 - 8 = \underline{\quad}$ $38 - 9 = \underline{\quad}$

b. $7 - 6 = \underline{\quad}$ $87 - 6 = \underline{\quad}$ $87 - 7 = \underline{\quad}$ $87 - 8 = \underline{\quad}$

2. Solve using your place value chart and place value disks. Unbundle a ten if needed. Think about which problems you can solve mentally, too!

a. $28 - 7 = \underline{\quad}$ $28 - 9 = \underline{\quad}$

b. $25 - 5 = \underline{\quad}$ $25 - 6 = \underline{\quad}$

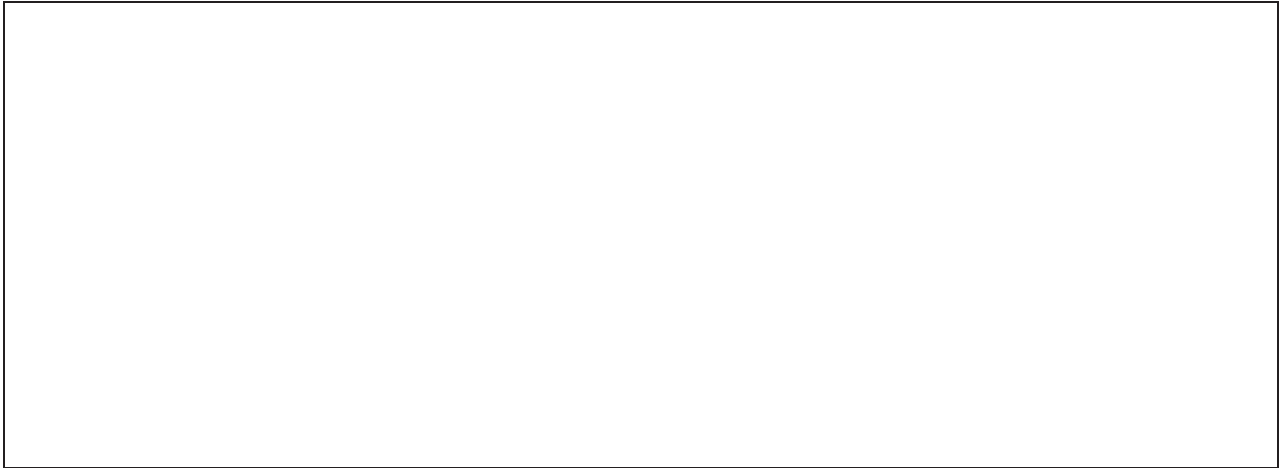
c. $30 - 5 = \underline{\quad}$ $33 - 5 = \underline{\quad}$

d. $47 - 22 = \underline{\quad}$ $41 - 22 = \underline{\quad}$

e. $44 - 16 = \underline{\quad}$ $44 - 26 = \underline{\quad}$

f. $70 - 28 = \underline{\quad}$ $80 - 28 = \underline{\quad}$

3. Solve $56 - 28$, and explain your strategy.



For early finishers:

4. There are 63 problems on the math test. Tamara answered 48 problems correctly, but the rest were incorrect. How many problems did she answer incorrectly?
5. Mr. Ross has 7 fewer students than Mrs. Jordan. Mr. Ross has 35 students. How many students does Mrs. Jordan have?

Name _____

Date _____

1. Solve using mental math.

a. $6 - 5 =$ _____ $26 - 5 =$ _____ $26 - 6 =$ _____ $26 - 7 =$ _____

b. $8 - 7 =$ _____ $58 - 7 =$ _____ $58 - 8 =$ _____ $58 - 9 =$ _____

2. Solve using your place value chart and place value disks. Unbundle a ten, if needed. Think about which problems you can solve mentally, too!

a. $36 - 5 =$ _____ $36 - 7 =$ _____

b. $37 - 6 =$ _____ $37 - 8 =$ _____

c. $40 - 5 =$ _____ $41 - 5 =$ _____

d. $58 - 32 =$ _____ $58 - 29 =$ _____

e. $60 - 26 =$ _____ $62 - 26 =$ _____

f. $70 - 41 =$ _____ $80 - 41 =$ _____

3. Solve and explain your strategy.

a.

$$41 - 27 = \underline{\quad}$$

b.

$$67 - 28 = \underline{\quad}$$

4. The number of marbles in each jar is marked on the front. Miss Clark took 37 marbles out of each jar. How many marbles are left in each jar? Complete the number sentence to find out.



a. $\underline{\quad} - \underline{\quad} = \underline{\quad}$

b. $\underline{\quad} - \underline{\quad} = \underline{\quad}$



c. $\underline{\quad} - \underline{\quad} = \underline{\quad}$

d. $\underline{\quad} - \underline{\quad} = \underline{\quad}$

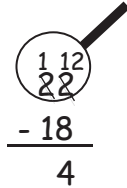
Name _____

Date _____

1. Use place value disks to solve each problem. Rewrite the problem vertically, and record each step as shown in the example.

a. $22 - 18$

b. $20 - 12$


$$\begin{array}{r} 1 \overline{)22} \\ - 18 \\ \hline 4 \end{array}$$

c. $34 - 25$

d. $25 - 18$

e. $53 - 29$

f. $71 - 27$

Name _____

Date _____

1. Use place value disks to solve each problem. Rewrite the problem vertically, and record each step as shown in the example.

a. $34 - 18$

b. $41 - 16$

$$\begin{array}{r} 2 \ 14 \\ \cancel{3} \ 4 \\ - 18 \\ \hline 16 \end{array}$$

c. $33 - 15$

d. $46 - 18$

e. $62 - 27$

f. $81 - 34$

2. Some first- and second-grade students voted on their favorite drink. The table shows the number of votes for each drink.

Types of Drink	Number of Votes
Milk	28
Apple Juice	19
Grape Juice	16
Fruit Punch	37
Orange Juice	44

- a. How many more students voted for fruit punch than for milk? Show your work.
- b. How many more students voted for orange juice than for grape juice? Show your work.
- c. How many fewer students voted for apple juice than for milk? Show your work.

Name _____

Date _____

1. Solve vertically. Draw a place value chart and chips to model each problem. Show how you change 1 ten for 10 ones, when necessary.

a. $31 - 19 =$ _____	b. $46 - 24 =$ _____
c. $51 - 33 =$ _____	d. $67 - 49 =$ _____
e. $66 - 48 =$ _____	f. $77 - 58 =$ _____

2. Solve $31 - 27$ and $25 - 15$ vertically using the space below. Circle to tell if the number sentence is true or false.

True or False

$$31 - 27 = 25 - 15$$

3. Solve $78 - 43$ and $81 - 46$ vertically using the space below. Circle to tell if the number sentence is true or false.

True or False

$$78 - 43 = 81 - 46$$

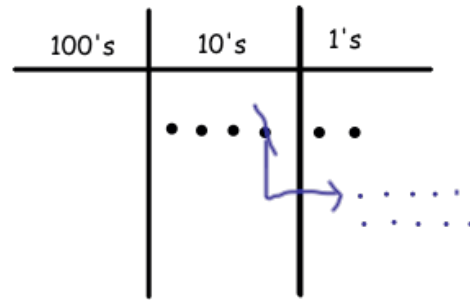
4. Mrs. Smith has 39 tomatoes in her garden. Mrs. Thompson has 52 tomatoes in her garden. How many fewer tomatoes does Mrs. Smith have than Mrs. Thompson?

Name _____

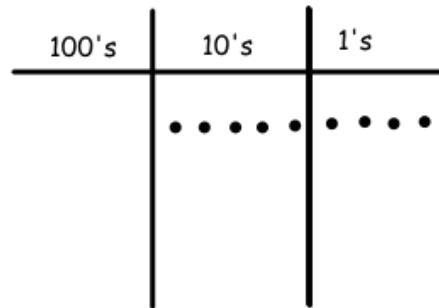
Date _____

1. Solve vertically. Use the place value chart and chips to model each problem. Show how you change 1 ten for 10 ones, when necessary. The first one has been started for you.

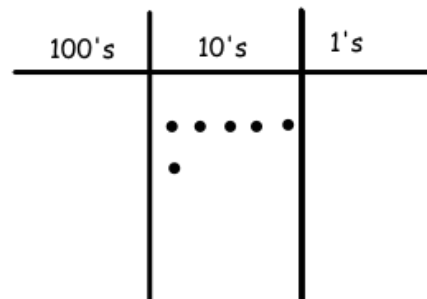
a. $42 - 26 = \underline{\hspace{2cm}}$



b. $54 - 28 = \underline{\hspace{2cm}}$



c. $60 - 17 = \underline{\hspace{2cm}}$



2. Solve vertically. Draw a place value chart and chips to model each problem. Show how you change 1 ten for 10 ones, when necessary.

a. $31 - 19 = \underline{\quad}$

b. $47 - 24 = \underline{\quad}$

c. $51 - 39 = \underline{\quad}$

d. $67 - 44 = \underline{\quad}$

e. $76 - 54 = \underline{\quad}$

f. $82 - 59 = \underline{\quad}$

Name _____

Date _____

1. Solve by writing the problem vertically. Check your result by drawing chips on the place value chart. Change 1 ten for 10 ones, when needed.

a. $134 - 23 =$ _____

hundreds	tens	ones

b. $140 - 12 =$ _____

hundreds	tens	ones

c. $121 - 14 =$ _____

hundreds	tens	ones

d. $161 - 26 = \underline{\hspace{2cm}}$

hundreds	tens	ones

e. $187 - 49 = \underline{\hspace{2cm}}$

hundreds	tens	ones

2. Solve the following problems vertically without a place value chart.

a. $63 - 28 = \underline{\hspace{2cm}}$

b. $163 - 28 = \underline{\hspace{2cm}}$

Name _____

Date _____

1. Solve by writing the problem vertically. Check your result by drawing chips on the place value chart. Change 1 ten for 10 ones, when needed.

a. $156 - 42 =$ _____

hundreds	tens	ones

b. $150 - 36 =$ _____

hundreds	tens	ones

c. $163 - 45 =$ _____

hundreds	tens	ones

2. Solve the following problems without a place value chart.

<p>a.</p> $\begin{array}{r} 134 \\ - 29 \\ \hline \end{array}$	<p>b.</p> $\begin{array}{r} 154 \\ - 37 \\ \hline \end{array}$
--	--

3. Solve and show your work. Draw a place value chart and chips, if needed.

a. Aniyah has 165 seashells. She has 28 more than Ralph. How many seashells does Ralph have?

b. Aniyah and Ralph each give 19 seashells to Harold. How many seashells does Aniyah have left?

c. How many seashells does Ralph have left?

Name _____

Date _____

1. Solve each problem using vertical form. Show the subtraction on the place value chart with chips. Exchange 1 ten for 10 ones, when necessary.

a. $173 - 42$

hundreds	tens	ones

b. $173 - 38$

hundreds	tens	ones

c. $170 - 44$

hundreds	tens	ones

d. $150 - 19$

hundreds	tens	ones

e. $186 - 57$

hundreds	tens	ones

2. Solve the following problems without using a place value chart.

a. $73 - 56$

b. $170 - 53$

Name _____

Date _____

1. Solve each problem using vertical form. Show the subtraction on the place value chart with chips. Exchange 1 ten for 10 ones, when necessary.

a. $153 - 31$

hundreds	tens	ones

b. $153 - 38$

hundreds	tens	ones

c. $160 - 37$

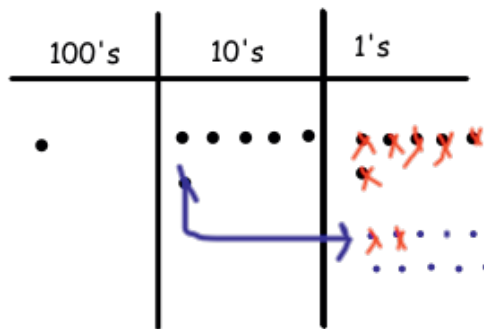
hundreds	tens	ones

d. $182 - 59$

hundreds	tens	ones

2. Lisa solved $166 - 48$ vertically and on her place value chart. Explain what Lisa did correctly and what she needs to fix.

$$\begin{array}{r}
 516 \\
 166 \\
 - 48 \\
 \hline
 108
 \end{array}$$



a. Lisa correctly _____

b. Lisa needs to fix _____

4. Andy spent 71 hours studying in November.

In December, he studied 19 hours less.

Rachel studied 22 hours more than Andy studied in December.

How many hours did Rachel study in December?

5. Thirty-six books are in the blue bin.

The blue bin has 18 more books than the red bin.

The yellow bin has 7 more books than the red bin.

a. How many books are in the red bin?

b. How many books are in the yellow bin?

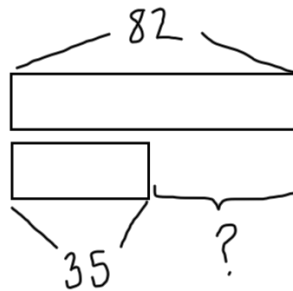
Name _____

Date _____

Solve the following word problems. Use the RDW process.

1. Vicki modeled the following problem with a tape diagram.

Eighty-two students are in the math club. 35 students are in the science club. How many more students are in the math club than science club?



Show another model to solve the problem. Write your answer in a sentence.

2. Forty-six birds sat on a wire. Some flew away, but 29 stayed. How many birds flew away? Show your work.
3. Ian bought a pack of 47 water balloons. 19 were red, 16 were yellow, and the rest were blue. How many water balloons were blue? Show your work.
4. Daniel read 54 pages of his book in the morning. He read 27 fewer pages in the afternoon. How many pages did Daniel read altogether? Show your work.

Name _____

Date _____

1. Solve mentally.

a. 2 ones + _____ = 1 ten

2 + _____ = 10

2 tens + _____ = 1 hundred

20 + _____ = 100

b. 1 ten = _____ + 6 ones

10 = _____ + 6

1 hundred = _____ + 6 tens

100 = _____ + 60

c. 3 ones + 7 ones = _____ ten

3 + 7 = _____

3 tens + 7 tens = _____ tens

30 + 70 = _____

13 tens + 7 tens = _____ tens

130 + 70 = _____

d. 6 ones + 4 ones = _____ ten

6 + 4 = _____

16 tens + 4 tens = _____ hundreds

160 + 40 = _____

e. 12 ones + 8 ones = _____ tens

12 + 8 = _____

12 tens + 8 tens = _____ hundreds

120 + 80 = _____

2. Solve.

a. 9 ones + 4 ones = ____ ten ____ ones

$9 + 4 =$ _____

9 tens + 4 tens = ____ hundred ____ tens

$90 + 40 =$ _____

b. 4 ones + 8 ones = ____ ten ____ ones

$4 + 8 =$ _____

4 tens + 8 tens = ____ hundred ____ tens

$40 + 80 =$ _____

c. 6 ones + 7 ones = ____ ten ____ ones

$6 + 7 =$ _____

6 tens + 7 tens = ____ hundred ____ tens

$60 + 70 =$ _____

3. Fill in the blanks. Then, complete the addition sentence.

The first one is done for you.

a. $24 \xrightarrow{+6} 30 \xrightarrow{+70} 100$

b. $124 \xrightarrow{+6} \underline{\hspace{2cm}} \xrightarrow{+70} \underline{\hspace{2cm}}$

$24 + 76 = 100$

$124 + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

c. $7 \xrightarrow{+3} \underline{\hspace{2cm}} \xrightarrow{+90} \underline{\hspace{2cm}} \xrightarrow{+100} \underline{\hspace{2cm}}$

d. $70 \xrightarrow{+30} \underline{\hspace{2cm}} \xrightarrow{+90} \underline{\hspace{2cm}} \xrightarrow{+10} \underline{\hspace{2cm}}$

$7 + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$70 + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

e. $38 \xrightarrow{+2} \underline{\hspace{2cm}} \xrightarrow{+60} \underline{\hspace{2cm}} \xrightarrow{+30} \underline{\hspace{2cm}}$

f. $98 \xrightarrow{+2} \underline{\hspace{2cm}} \xrightarrow{+6} \underline{\hspace{2cm}} \xrightarrow{+40} \underline{\hspace{2cm}}$

$38 + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$98 + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Name _____

Date _____

1. Solve mentally.

a. 4 ones + _____ = 1 ten

4 + _____ = 10

4 tens + _____ = 1 hundred

40 + _____ = 100

b. 1 ten = _____ + 7 ones

10 = _____ + 7

1 hundred = _____ + 7 tens

100 = _____ + 70

c. 1 ten more than 9 ones = _____

10 + 9 = _____

1 hundred more than 9 ones = _____

100 + 9 = _____

1 hundred more than 9 tens = _____

100 + 90 = _____

d. 2 ones + 8 ones = _____ ten

2 + 8 = _____

2 tens + 8 tens = _____ hundred

20 + 80 = _____

e. 5 ones + 6 ones = _____ ten(s) _____ one(s)

5 + 6 = _____

5 tens + 6 tens = _____ hundred(s) _____ ten(s)

50 + 60 = _____

f. 14 ones + 4 ones = _____ ten(s) _____ one(s)

14 + 4 = _____

14 tens + 4 tens = _____ hundred(s) _____ tens(s) 140 + 40 = _____

2. Solve.

a. 6 ones + 5 ones = _____ ten _____ one

$6 + 5 =$ _____

6 tens + 5 tens = _____ hundred _____ ten

$60 + 50 =$ _____

b. 5 ones + 7 ones = _____ ten _____ ones

$5 + 7 =$ _____

5 tens + 7 tens = _____ hundred _____ tens

$50 + 70 =$ _____

c. 9 ones + 8 ones = _____ ten _____ ones

$9 + 8 =$ _____

9 tens + 8 tens = _____ hundred _____ tens

$90 + 80 =$ _____

3. Fill in the blanks. Then, complete the addition sentence. The first one is done for you.

a. $36 \xrightarrow{+4} 40 \xrightarrow{+60} 100 \xrightarrow{+30} 130$

$36 + 94 = 130$

b. $78 \xrightarrow{+2} \underline{\hspace{2cm}} \xrightarrow{+10} \underline{\hspace{2cm}} \xrightarrow{+10} \underline{\hspace{2cm}}$

$78 + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

c. $61 \xrightarrow{+9} \underline{\hspace{2cm}} \xrightarrow{+10} \underline{\hspace{2cm}} \xrightarrow{+10} \underline{\hspace{2cm}} \xrightarrow{+10} \underline{\hspace{2cm}} \xrightarrow{+100} \underline{\hspace{2cm}}$

$61 + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

d. $27 \xrightarrow{+3} \underline{\hspace{2cm}} \xrightarrow{+70} \underline{\hspace{2cm}} \xrightarrow{+100} \underline{\hspace{2cm}}$

$27 + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Name _____

Date _____

1. Solve using your place value chart and place value disks.

a. $80 + 30 =$ _____ $90 + 40 =$ _____

b. $73 + 38 =$ _____ $73 + 49 =$ _____

c. $93 + 38 =$ _____ $42 + 99 =$ _____

d. $84 + 37 =$ _____ $69 + 63 =$ _____

e. $113 + 78 =$ _____ $128 + 72 =$ _____

2. Circle the statements that are true as you solve each problem using place value disks.

a. $47 + 123$

I change 10 ones for 1 ten.

I change 10 tens for 1 hundred.

The total of the two parts is 160.

The total of the two parts is 170.

b. $97 + 54$

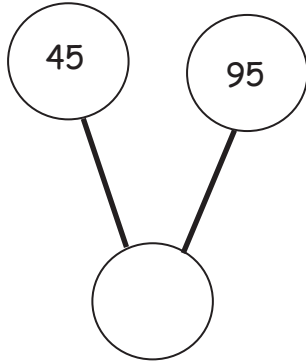
I change 10 ones for 1 ten.

I change 10 tens for 1 hundred.

The total of the two parts is 141.

The total of the two parts is 151.

3. Write an addition sentence that corresponds to the following number bond. Solve the problem using your place value disks, and fill in the missing total.



4. There are 50 girls and 80 boys in the after school program. How many children are in the after school program?
5. Kim and Stacy solved $83 + 39$. Kim's answer was less than 120. Stacy's answer was more than 120. Whose answer was incorrect? Explain how you know using words, pictures, or numbers.

Name _____

Date _____

1. Solve using your place value chart and place value disks.

a. $20 + 90 =$ _____ $60 + 70 =$ _____

b. $29 + 93 =$ _____ $69 + 72 =$ _____

c. $45 + 86 =$ _____ $46 + 96 =$ _____

d. $47 + 115 =$ _____ $47 + 95 =$ _____

e. $28 + 72 =$ _____ $128 + 72 =$ _____

2. Circle the statements that are true as you solve each problem using place value disks.

a. $68 + 51$

I change 10 ones for 1 ten.

I change 10 tens for 1 hundred.

The total of the two parts is 109.

The total of the two parts is 119.

b. $127 + 46$

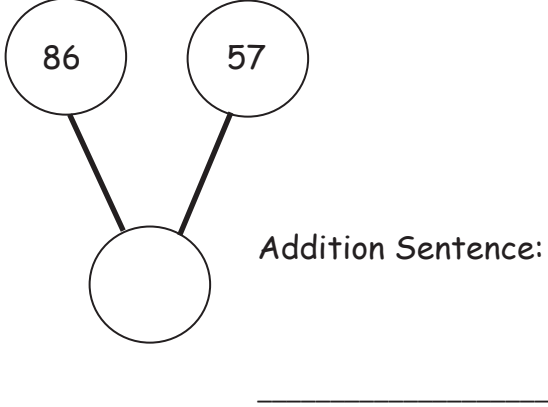
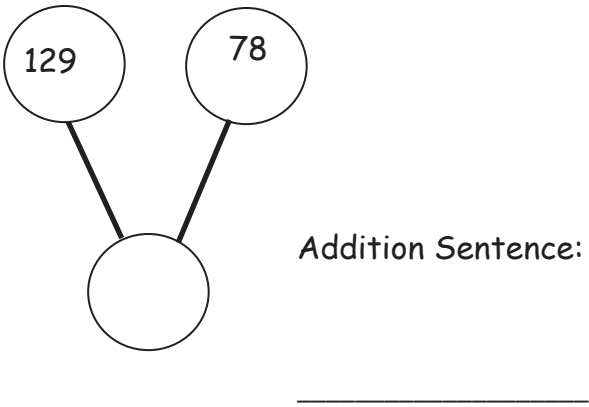
I change 10 ones for 1 ten.

I change 10 tens for 1 hundred.

The total of the two parts is 163.

The total of the two parts is 173.

3. Solve the problem using your place value disks, and fill in the missing total. Then, write an addition sentence that relates to the number bonds.

<p>a.</p>  <p>Addition Sentence: _____</p>	<p>b.</p>  <p>Addition Sentence: _____</p>
---	--

4. Solve using your place value chart and place value disks.

a. $45 + 55 =$ _____

b. $78 + 33 =$ _____

c. $37 + 84 =$ _____

unlabeled hundreds place value chart

Name _____ Date _____

1. Solve the following problems using the vertical form, your place value chart, and place value disks. Bundle a ten or hundred, if needed.

a. $72 + 19$	b. $28 + 91$
c. $68 + 61$	d. $97 + 35$
e. $68 + 75$	f. $96 + 47$

g. $177 + 23$

h. $146 + 54$

2. Thirty-eight fewer girls attended summer camp than boys. Seventy-nine girls attended.
- a. How many boys attended summer camp?
- b. How many children attended summer camp?

Name _____

Date _____

1. Solve the following problems using the vertical form, your place value chart, and place value disks. Bundle a ten or hundred, if needed.

a. $84 + 37$

b. $42 + 79$

c. $58 + 56$

d. $46 + 96$

e. $75 + 69$

f. $48 + 94$

g. $162 + 38$

h. $156 + 44$

2. Seventy-four trees were planted in the garden. Forty-nine more bushes were planted than trees in the garden.
- a. How many bushes were planted?
- b. How many trees and bushes were planted?

Name _____

Date _____

1. Solve vertically. Draw chips on the place value chart and bundle, when needed.

a. $23 + 57 =$ _____

100's	10's	1's

b. $65 + 36 =$ _____

100's	10's	1's

c. $83 + 29 =$ _____

100's	10's	1's

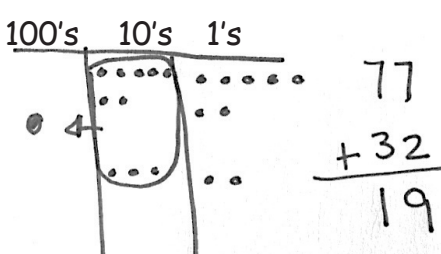
d. $47 + 75 =$ _____

100's	10's	1's

e. $68 + 88 =$ _____

100's	10's	1's

2. Jessica's teacher marked her work incorrect for the following problem. Jessica cannot figure out what she did wrong. If you were Jessica's teacher, how would you explain her mistake?

<p>Jessica's work:</p> 	<p>Explanation:</p>
--	---------------------

Name _____

Date _____

1. Solve vertically. Draw chips on the place value chart and bundle, when needed.

a. $41 + 39 =$ _____

100's	10's	1's

b. $54 + 26 =$ _____

100's	10's	1's

c. $96 + 39 =$ _____

100's	10's	1's

d. $84 + 79 =$ _____

100's	10's	1's

e. $65 + 97 =$ _____

100's	10's	1's

2. For each box, find and circle two numbers that add up to 150.

a.	b.	c.
67	48	75
63	92	55
73	68	65
83	62	45
57	58	75

Name _____

Date _____

1. Solve vertically. Draw chips on the place value chart and bundle, when needed.

a. $65 + 75 =$ _____

100's	10's	1's

b. $84 + 29 =$ _____

100's	10's	1's

c. $91 + 19 =$ _____

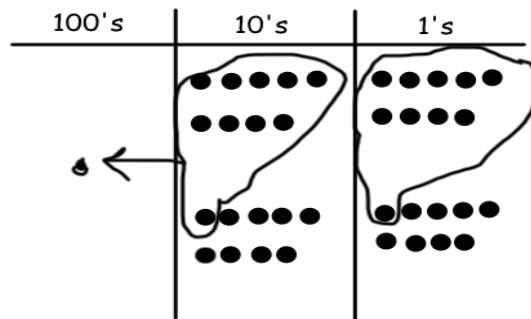
100's	10's	1's

d. $163 + 27 =$ _____

100's	10's	1's

2. Abby solved $99 + 99$ on her place value chart and in vertical form, but she got an incorrect answer. Check Abby's work, and correct it.

$$\begin{array}{r} 99 \\ + 99 \\ \hline 188 \end{array}$$



What did Abby do correctly?

What did Abby do incorrectly?

Name _____

Date _____

1. Solve vertically. Draw chips on the place value chart and bundle, when needed.

a. $45 + 76 =$ _____

100's	10's	1's

b. $62 + 89 =$ _____

100's	10's	1's

c. $97 + 79 =$ _____

100's	10's	1's

d. $127 + 78 = \underline{\hspace{2cm}}$

100's	10's	1's

2. The blue team scored 37 fewer points than the white team. The blue team scored 69 points.

a. How many points did the white team score?

b. How many points did the blue and white teams score altogether?

Name _____

Date _____

1. Look to make 10 ones or 10 tens to solve the following problems using place value strategies.

a. $5 + 5 + 7 =$ _____	$25 + 25 + 17 =$ _____	$125 + 25 + 17 =$ _____
b. $4 + 6 + 5 =$ _____	$24 + 36 + 75 =$ _____	$24 + 36 + 85 =$ _____
c. $2 + 4 + 8 + 6 =$ _____	$32 + 24 + 18 + 46 =$ _____	$72 + 54 + 18 + 26 =$ _____

2. Josh and Keith have the same problem for homework: $23 + 35 + 47 + 56$. The students solved the problem differently but got the same answer.

Josh's work

$$23 + 35 + 47 + 56$$

$$70 + 35 + 56$$

$$100 + 61 = 161$$

Keith's work

$$23 + 35 + 47 + 56$$

$$20 + 35 + 50 + 56$$

$$55 + 106 = 161$$

Solve $23 + 35 + 47 + 56$ another way.

3. Melissa bought a dress for \$29, a purse for \$15, a book for \$11, and a hat for \$25. How much did Melissa spend? Show your work.

Name _____

Date _____

1. Look to make 10 ones or 10 tens to solve the following problems using place value strategies.

a. $6 + 3 + 7 =$ _____	$36 + 23 + 17 =$ _____	$126 + 23 + 17 =$ _____
b. $8 + 2 + 5 =$ _____	$38 + 22 + 75 =$ _____	$18 + 62 + 85 =$ _____
c. $9 + 4 + 1 + 6 =$ _____	$29 + 34 + 41 + 16 =$ _____	$81 + 34 + 19 + 56 =$ _____

2. The table shows the top six soccer teams and their total points scored this season.


Teams	Points
Red	29
Yellow	38
Green	41
Blue	76
Orange	52
Black	24

- How many points did the yellow and orange teams score together?
- How many points did the yellow, orange, and blue teams score together?
- How many points did the red, green, and black teams score together?
- Which two teams scored a total of 70 points?
- Which two teams scored a total of 100 points?

Name _____

Date _____

1. Solve using number bonds to subtract from 100. The first one has been done for you.

a. $106 - 90 = 16$  $100 - 90 = 10$ $10 + 6 = 16$	b. $116 - 90$
c. $114 - 80$	d. $115 - 80$
e. $123 - 70$	f. $127 - 60$


g. $119 - 50$	h. $129 - 60$
i. $156 - 80$	j. $142 - 70$

2. Use a number bond to show how you would take 8 tens from 126.

Name _____

Date _____

1. Solve using number bonds to subtract from 100. The first one has been done for you.

a. $105 - 90 = 15$  100 5 $100 - 90 = 10$ $10 + 5 = 15$	b. $121 - 90$
c. $112 - 80$	d. $135 - 70$
e. $136 - 60$	f. $129 - 50$

g. $156 - 80$

h. $138 - 40$

2. Monica incorrectly solved $132 - 70$ to get 102. Show her how to solve it correctly.

Monica's work:

$$132 - 70 = \underline{\quad}$$
$$100 - 30 = 70$$
$$70 + 32 = 102$$

Correct way to solve $132 - 70$:

3. Billy sold 50 fewer magazines than Alex. Alex sold 128 magazines. How many magazines did Billy sell? Solve using a number bond.

Name _____

Date _____

1. Solve using mental math. If you cannot solve mentally, use your place value chart and place value disks.

a. $25 - 5 = \underline{\hspace{2cm}}$ $25 - 6 = \underline{\hspace{2cm}}$ $125 - 25 = \underline{\hspace{2cm}}$ $125 - 26 = \underline{\hspace{2cm}}$

b. $160 - 50 = \underline{\hspace{2cm}}$ $160 - 60 = \underline{\hspace{2cm}}$ $160 - 70 = \underline{\hspace{2cm}}$

2. Solve using your place value chart and place value disks. Unbundle the hundred or ten when necessary. Circle what you did to model each problem.

<p>a.</p> <p style="text-align: center;">$124 - 60 = \underline{\hspace{2cm}}$</p> <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>	<p>b.</p> <p style="text-align: center;">$174 - 58 = \underline{\hspace{2cm}}$</p> <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>
<p>c.</p> <p style="text-align: center;">$121 - 48 = \underline{\hspace{2cm}}$</p> <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>	<p>d.</p> <p style="text-align: center;">$125 - 67 = \underline{\hspace{2cm}}$</p> <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>
<p>e.</p> <p style="text-align: center;">$145 - 76 = \underline{\hspace{2cm}}$</p> <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>	<p>f.</p> <p style="text-align: center;">$181 - 72 = \underline{\hspace{2cm}}$</p> <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>

<p>g.</p> $111 - 99 = \underline{\hspace{2cm}}$ <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>	<p>h.</p> $131 - 42 = \underline{\hspace{2cm}}$ <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>
<p>i.</p> $123 - 65 = \underline{\hspace{2cm}}$ <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>	<p>j.</p> $132 - 56 = \underline{\hspace{2cm}}$ <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>
<p>k.</p> $145 - 37 = \underline{\hspace{2cm}}$ <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>	<p>l.</p> $115 - 48 = \underline{\hspace{2cm}}$ <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>

3. There were 167 apples. The students ate 89 apples. How many apples were left?

Name _____

Date _____

1. Solve using mental math. If you cannot solve mentally, use your place value chart and place value disks.

a. $38 - 8 =$ _____ $38 - 9 =$ _____ $138 - 38 =$ _____ $138 - 39 =$ _____

b. $130 - 20 =$ _____ $130 - 30 =$ _____ $130 - 40 =$ _____

2. Solve using your place value chart and place value disks. Unbundle the hundred or ten when necessary. Circle what you did to model each problem.

<p>a.</p> <p style="text-align: center;">$115 - 50 =$ _____</p> <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>	<p>b.</p> <p style="text-align: center;">$125 - 57 =$ _____</p> <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>
<p>c.</p> <p style="text-align: center;">$88 - 39 =$ _____</p> <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>	<p>d.</p> <p style="text-align: center;">$186 - 39 =$ _____</p> <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>
<p>e.</p> <p style="text-align: center;">$162 - 85 =$ _____</p> <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>	<p>f.</p> <p style="text-align: center;">$172 - 76 =$ _____</p> <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>

<p>g.</p> $121 - 89 = \underline{\hspace{2cm}}$ <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>	<p>h.</p> $131 - 98 = \underline{\hspace{2cm}}$ <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>
<p>i.</p> $140 - 65 = \underline{\hspace{2cm}}$ <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>	<p>j.</p> $150 - 56 = \underline{\hspace{2cm}}$ <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>
<p>k.</p> $163 - 78 = \underline{\hspace{2cm}}$ <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>	<p>l.</p> $136 - 87 = \underline{\hspace{2cm}}$ <p>I unbundled the hundred. Yes No</p> <p>I unbundled a ten. Yes No</p>

3. 96 crayons in the basket are broken. The basket has 182 crayons. How many crayons are not broken?

Name _____

Date _____

1. Solve the following problems using the vertical form, your place value chart, and place value disks. Unbundle a ten or hundred when necessary. Show your work for each problem.

a. $72 - 49$	b. $83 - 49$
c. $118 - 30$	d. $118 - 85$
e. $145 - 54$	f. $167 - 78$
g. $125 - 87$	h. $115 - 86$

2. Mrs. Tosh baked 160 cookies for the bake sale. She sold 78 of them. How many cookies does she have left?
3. Tammy had \$154. She bought a watch for \$86. Does she have enough money left over to buy a \$67 bracelet?

Name _____

Date _____

1. Solve the following problems using the vertical form, your place value chart, and place value disks. Unbundle a ten or hundred when necessary. Show your work for each problem.

a. $65 - 38$	b. $66 - 49$
c. $111 - 60$	d. $120 - 67$
e. $163 - 66$	f. $184 - 95$
g. $114 - 98$	h. $154 - 85$

2. Dominic has \$167. He has \$88 more than Mario. How much money does Mario have?
3. Which problem will have the same answer as $133 - 77$? Show your work.
- a. $155 - 66$
 - b. $144 - 88$
 - c. $177 - 33$
 - d. $139 - 97$

Name _____

Date _____

1. Solve vertically. Draw chips on the place value chart. Unbundle when needed.

a. $181 - 63 =$ _____

hundreds	tens	ones

b. $134 - 52 =$ _____

hundreds	tens	ones

c. $175 - 79 =$ _____

hundreds	tens	ones

d. $115 - 26 =$ _____

hundreds	tens	ones

e. $110 - 74 =$ _____

hundreds	tens	ones

2. Tanisha and James drew models on their place value charts to solve this problem: $102 - 47$. Tell whose model is incorrect and why.

James

Tanisha

James

Hundreds	Tens	Ones
↑	X X X X X X X X X X . .

My Math is Sick!

Tanisha

Hundreds	Tens	Ones
↑ X X X X X X . .

_____’s model is incorrect because _____

Name _____

Date _____

1. Solve vertically. Draw chips on the place value chart. Unbundle when needed.

a. $114 - 65 =$ _____

hundreds	tens	ones

b. $120 - 37 =$ _____

hundreds	tens	ones

c. $141 - 89 =$ _____

hundreds	tens	ones

d. $136 - 77 = \underline{\hspace{2cm}}$

hundreds	tens	ones

e. $154 - 96 = \underline{\hspace{2cm}}$

hundreds	tens	ones

2. **Extension:** Fill in the missing number to complete the problem. Draw a place value chart and chips to solve.

$\begin{array}{r} 123 \\ - 5\boxed{} \\ \hline 69 \end{array}$	
---	--

Name _____

Date _____

1. Make each equation true.

a. 1 hundred = _____ tens

b. 1 hundred = 9 tens _____ ones

c. 2 hundreds = 1 hundred _____ tens

d. 2 hundreds = 1 hundred 9 tens _____ ones

2. Solve vertically. Draw chips on the place value chart. Unbundle when needed.

a. $100 - 61 =$ _____

hundreds	tens	ones

b. $100 - 79 =$ _____

hundreds	tens	ones

c. $200 - 7 = \underline{\hspace{2cm}}$

hundreds	tens	ones

d. $200 - 87 = \underline{\hspace{2cm}}$

hundreds	tens	ones

e. $200 - 126 = \underline{\hspace{2cm}}$

hundreds	tens	ones

Name _____

Date _____

1. Solve vertically. Draw chips on the place value chart. Unbundle when needed.

a. $100 - 37 =$ _____

hundreds	tens	ones

b. $100 - 49 =$ _____

hundreds	tens	ones

c. $200 - 49 =$ _____

hundreds	tens	ones

d. $200 - 57 = \underline{\hspace{2cm}}$

hundreds	tens	ones

e. $200 - 83 = \underline{\hspace{2cm}}$

hundreds	tens	ones

2. Susan solved $200 - 91$ and decided to add her answer to 91 to check her work. Explain why this strategy works.

<p>Susan's work:</p> $\begin{array}{r} \overset{1}{\cancel{2}}\overset{9}{\cancel{0}}\overset{10}{\cancel{0}} \\ - 91 \\ \hline 109 \end{array}$ $\begin{array}{r} 109 \\ + 91 \\ \hline 200 \end{array}$	<p>Explanation:</p> <hr/> <hr/> <hr/> <hr/>
---	---

Name _____

Date _____

1. Solve vertically. Draw chips on the place value chart. Unbundle when needed.

a. $109 - 56 =$ _____

hundreds	tens	ones

b. $103 - 34 =$ _____

hundreds	tens	ones

c. $200 - 155 =$ _____

hundreds	tens	ones

d. $200 - 123 = \underline{\hspace{2cm}}$

hundreds	tens	ones

2. Solve vertically without a place value chart.

$200 - 148 = \underline{\hspace{2cm}}$

3. Solve vertically. Draw a place value chart and chips.

Ralph has 137 fewer stamps than his older brother. His older brother has 200 stamps. How many stamps does Ralph have?

Name _____

Date _____

1. Solve vertically. Draw chips on the place value chart. Unbundle when needed.

a. $136 - 94 =$ _____

hundreds	tens	ones

b. $105 - 57 =$ _____

hundreds	tens	ones

c. $200 - 61 =$ _____

hundreds	tens	ones

d. $200 - 107 =$ _____

hundreds	tens	ones

e. $200 - 143 =$ _____

hundreds	tens	ones

2. Herman collected 200 shells on the beach. Of those, he kept 136 shells and left the rest on the beach. How many shells did he leave on the beach?

Name _____

Date _____

1. Solve each addition expression using both the totals below and new groups below methods. Draw a place value chart with chips and two different number bonds to represent each.

a. $27 + 19$

New Groups Below	Totals Below	Place Value Chart	Number Bonds

b. $57 + 36$

New Groups Below	Totals Below	Place Value Chart	Number Bonds

2. Add like units and record the totals below.

<p>a.</p> $\begin{array}{r} 87 \\ + 95 \\ \hline \end{array}$ <p>_____ (7 + 5)</p> <p>_____ (80 + 90)</p> <div style="border: 1px solid black; width: 100px; height: 30px; margin-top: 10px;"></div>	<p>b.</p> $\begin{array}{r} 106 \\ + 24 \\ \hline \end{array}$ <p>_____</p> <p>_____</p> <p>_____</p> <div style="border: 1px solid black; width: 100px; height: 30px; margin-top: 10px;"></div>
<p>c.</p> $\begin{array}{r} 151 \\ + 45 \\ \hline \end{array}$ <p>_____</p> <p>_____</p> <p>_____</p> <div style="border: 1px solid black; width: 100px; height: 30px; margin-top: 10px;"></div>	<p>d.</p> $\begin{array}{r} 126 \\ + 72 \\ \hline \end{array}$ <p>_____</p> <p>_____</p> <p>_____</p> <div style="border: 1px solid black; width: 100px; height: 30px; margin-top: 10px;"></div>
<p>e.</p> $\begin{array}{r} 159 \\ + 30 \\ \hline \end{array}$ <p>_____</p> <p>_____</p> <p>_____</p> <div style="border: 1px solid black; width: 100px; height: 30px; margin-top: 10px;"></div>	<p>f.</p> $\begin{array}{r} 108 \\ + 91 \\ \hline \end{array}$ <p>_____</p> <p>_____</p> <p>_____</p> <div style="border: 1px solid black; width: 100px; height: 30px; margin-top: 10px;"></div>

Name _____

Date _____

1. Add like units and record the totals below.

<p>a.</p> $\begin{array}{r} 48 \\ + 27 \\ \hline \\ \hline \\ \hline \\ \square \end{array}$	<p>b.</p> $\begin{array}{r} 118 \\ + 73 \\ \hline \\ \hline \\ \hline \\ \square \end{array}$
<p>c.</p> $\begin{array}{r} 156 \\ + 62 \\ \hline \\ \hline \\ \hline \\ \square \end{array}$	<p>d.</p> $\begin{array}{r} 137 \\ + 82 \\ \hline \\ \hline \\ \hline \\ \square \end{array}$

<p>e.</p> $\begin{array}{r} 147 \\ + 35 \\ \hline \\ \hline \\ \hline \\ \hline \end{array}$	<p>f.</p> $\begin{array}{r} 149 \\ + 51 \\ \hline \\ \hline \\ \hline \\ \hline \end{array}$
<p>g.</p> $\begin{array}{r} 188 \\ + 22 \\ \hline \\ \hline \\ \hline \\ \hline \end{array}$	<p>h.</p> $\begin{array}{r} 126 \\ + 65 \\ \hline \\ \hline \\ \hline \\ \hline \end{array}$

2. Daniel counted 67 apples on one tree and 79 apples on another tree. How many apples were on both trees? Add like units and record the totals below to solve.

Name _____

Date _____

1. Linda and Keith added $127 + 59$ differently. Explain why Linda's work and Keith's work are both correct.

Linda's work:	Keith's work:
$\begin{array}{r} 127 \\ + 59 \\ \hline 16 \\ 70 \\ + 100 \\ \hline 186 \end{array}$	$\begin{array}{r} 127 \\ + 59 \\ \hline 186 \end{array}$

2. Jake solved $124 + 69$ using new groups below. Solve the same problem another way.

$\begin{array}{r} 124 \\ + 69 \\ \hline 193 \end{array}$	
--	--

3. Solve each problem two different ways.

a. $134 + 48$

b. $83 + 69$

c. $46 + 75$

d. $63 + 128$

Name _____

Date _____

1. Kari and Marty solved $136 + 56$.

Kari's work:	Marty's work:
$\begin{array}{r} 136 \\ + 56 \\ \hline 192 \end{array}$	$\begin{array}{r} 136 \\ + 56 \\ \hline 12 \\ 80 \\ + 100 \\ \hline 192 \end{array}$

Explain what is different about how Kari and Marty solved the problem.

2. Here is one way to solve $145 + 67$. For (a), solve $145 + 67$ another way.

$\begin{array}{r} 145 \\ + 67 \\ \hline 11 \\ 212 \end{array}$	<p>a.</p>
--	-----------

b. Explain how the two ways to solve $145 + 67$ are similar.

3. Show another way to solve $142 + 39$.

$\begin{array}{r} 142 \\ + 39 \\ \hline 11 \\ 70 \\ 100 \\ \hline 181 \end{array}$	
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Name _____ Date _____

Solve the following word problems by drawing a tape diagram. Use any strategy you have learned to solve.

1. Mr. Roberts graded 57 tests on Friday and 43 tests on Saturday. How many tests did Mr. Roberts grade?

2. There are 54 women and 17 fewer men than women on a boat.

a. How many men are on the boat?

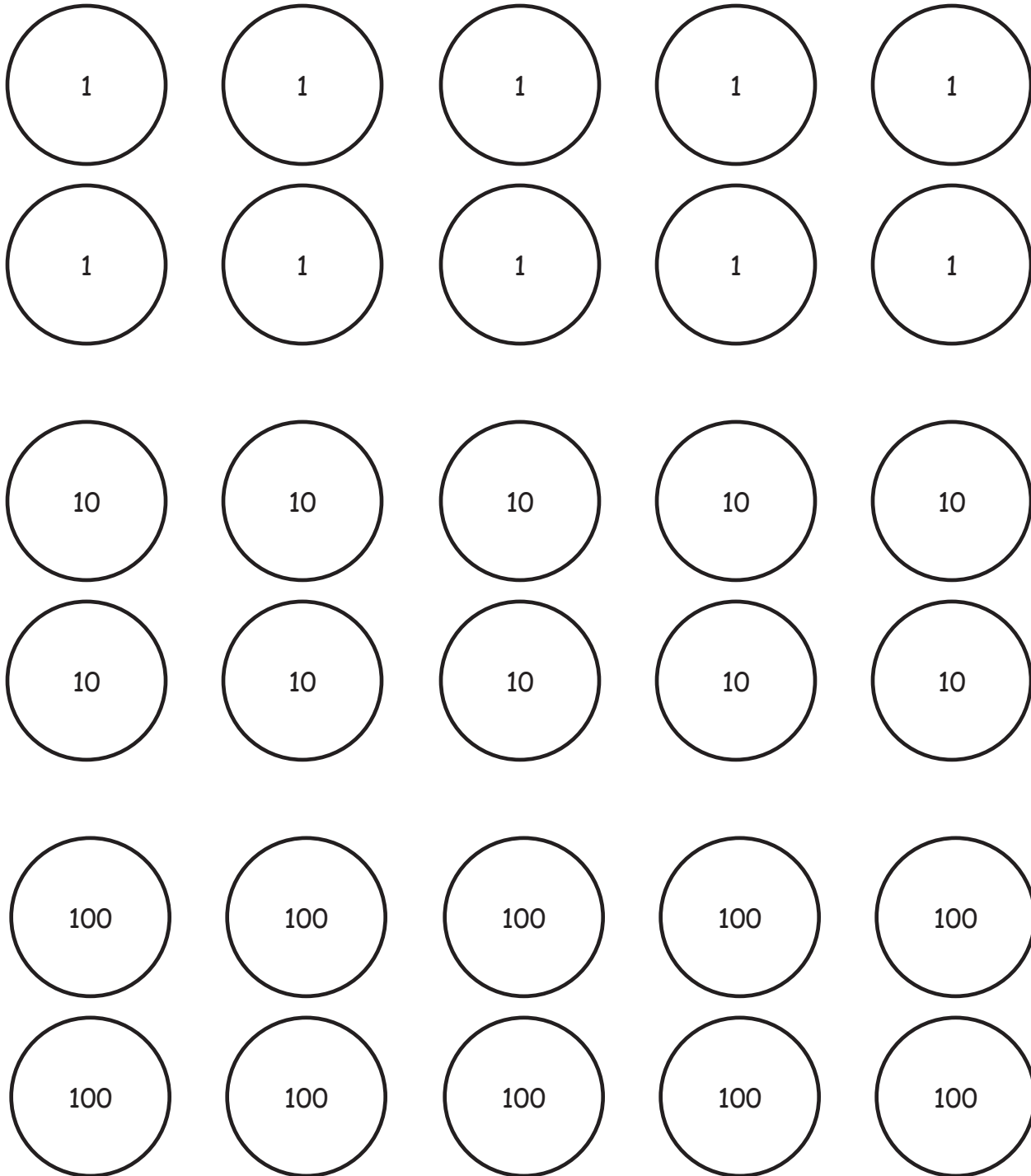
b. How many people are on the boat?

3. Mark collected 27 fewer coins than Craig. Mark collected 58 coins.
- How many coins did Craig collect?

 - Mark collected 18 more coins than Shawn. How many coins did Shawn collect?
4. There were 35 apples on the table. 17 of the apples were rotten and were thrown out. 9 apples were eaten. How many apples are still on the table?

3. The bakery made 92 muffins. Seventeen were blueberry, 23 were cranberry, and the rest were chocolate chip. How many chocolate chip muffins did the bakery make?
4. After spending \$43 on groceries and \$19 on a book, Mrs. Groom had \$16 left. How much money did Mrs. Groom have to begin with?

Cut Out Packet



place value disks

$$9 + \underline{\quad} = 10$$

$$2 + 9$$

$$9 + 3$$

$$4 + 9$$

$$5 + \underline{\quad} = 14$$

$$9 + 6$$

$$7 + 9$$

$$9 + \underline{\quad} = 17$$

addition flash cards

$$9 + 9$$

$$10 + 9$$

$$8 + \underline{\quad} = 9$$

$$2 + 8$$

$$8 + 3$$

$$4 + 8$$

$$5 + 8$$

$$8 + 6$$

addition flash cards

$$8 + \underline{\quad} = 15$$

$$8 + 8$$

$$9 + \underline{\quad} = 17$$

$$10 + 8$$

$$1 + 7$$

$$2 + \underline{\quad} = 9$$

$$7 + 3$$

$$4 + 7$$

addition flash cards

$$5 + \underline{\quad} = 12$$

$$6 + 7$$

$$7 + \underline{\quad} = 14$$

$$7 + 8$$

$$9 + 7$$

$$7 + 10$$

$$1 + 6$$

$$6 + 2$$

addition flash cards

$$6 + \underline{\quad} = 9$$

$$4 + 6$$

$$6 + 5$$

$$6 + \underline{\quad} = 12$$

$$7 + 6$$

$$8 + 6$$

$$9 + \underline{\quad} = 15$$

$$6 + 10$$

addition flash cards

$$5 + 1$$

$$2 + 5$$

$$5 + \underline{\quad} = 8$$

$$4 + \underline{\quad} = 9$$

$$5 + 5$$

$$6 + \underline{\quad} = 11$$

$$7 + 5$$

$$5 + 8$$

addition flash cards

$$5 + \underline{\quad} = 14$$

$$10 + 5$$

$$4 + 1$$

$$2 + 4$$

$$4 + \underline{\quad} = 7$$

$$4 + \underline{\quad} = 8$$

$$4 + 5$$

$$6 + \underline{\quad} = 10$$

addition flash cards

$$7 + 4$$

$$4 + 8$$

$$4 + \underline{\quad} = 13$$

$$10 + 4$$

$$1 + 3$$

$$2 + 3$$

$$3 + \underline{\quad} = 6$$

$$4 + 3$$

addition flash cards

$$3 + 5$$

$$6 + 3$$

$$7 + \underline{\quad} = 10$$

$$3 + \underline{\quad} = 11$$

$$3 + 9$$

$$13 = 3 + \underline{\quad}$$

$$2 + 1$$

$$2 + 2$$

addition flash cards

$$3 + \underline{\quad} = 5$$

$$4 + 2$$

$$2 + 5$$

$$6 + 2$$

$$7 + \underline{\quad} = 9$$

$$8 + 2$$

$$2 + 9$$

$$10 + 2$$

addition flash cards

$$9 - 2$$

$$10 - 2$$

$$11 - 2$$

$$12 - 2$$

$$13 - 2$$

$$14 - 2$$

$$15 - 2$$

$$16 - 2$$

subtraction fact flash cards set 1

$17 - 2$

$18 - 2$

$19 - 2$

$20 - 2$

$9 - 3$

$10 - 3$

$11 - 3$

$12 - 3$

subtraction fact flash cards set 1

$$13 - 3$$

$$14 - 3$$

$$15 - 3$$

$$16 - 3$$

$$17 - 3$$

$$18 - 3$$

$$19 - 3$$

$$20 - 3$$

subtraction fact flash cards set 1

$$9 - 4$$

$$10 - 4$$

$$11 - 4$$

$$12 - 4$$

$$13 - 4$$

$$14 - 4$$

$$15 - 4$$

$$16 - 4$$

subtraction fact flash cards set 1

$17 - 4$

$18 - 4$

$19 - 4$

$20 - 4$

$9 - 5$

$10 - 5$

$11 - 5$

$12 - 5$

subtraction fact flash cards set 1

$$13 - 5$$

$$14 - 5$$

$$15 - 5$$

$$16 - 5$$

$$17 - 5$$

$$18 - 5$$

$$19 - 5$$

$$20 - 5$$

subtraction fact flash cards set 1

$$9 - 6$$

$$10 - 6$$

$$11 - 6$$

$$12 - 6$$

$$13 - 6$$

$$14 - 6$$

$$15 - 6$$

$$16 - 6$$

subtraction fact flash cards set 1

$17 - 6$

$18 - 6$

$19 - 6$

$20 - 6$

$9 - 7$

$10 - 7$

$11 - 7$

$12 - 7$

subtraction fact flash cards set 1

$13 - 7$

$14 - 7$

$15 - 7$

$16 - 7$

$17 - 7$

$18 - 7$

$19 - 7$

$20 - 7$

subtraction fact flash cards set 1

$$9 - 8$$

$$10 - 8$$

$$11 - 8$$

$$12 - 8$$

$$13 - 8$$

$$14 - 8$$

$$15 - 8$$

$$16 - 8$$

subtraction fact flash cards set 1

$$17 - 8$$

$$18 - 8$$

$$19 - 8$$

$$20 - 8$$

$$9 - 9$$

$$10 - 9$$

$$11 - 9$$

$$12 - 9$$

subtraction fact flash cards set 1

$13 - 9$

$14 - 9$

$15 - 9$

$16 - 9$

$17 - 9$

$18 - 9$

$19 - 9$

$20 - 9$

subtraction fact flash cards set 1