



A STORY OF UNITS



Mathematics Curriculum



Grade 2 • MODULE 5

Addition and Subtraction Within 1,000 with
Word Problems to 100

Homework

Info for parents: <http://bit.ly/eureka2>

Video tutorials: <http://embarc.online>

Version 3



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GRADE 2 • MODULE 5

Addition and Subtraction Within 1,000 with Word Problems to 100

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Name _____

Date _____

1. Complete each *more* or *less* statement.

- a. 10 more than 222 is _____. b. 100 more than 222 is _____.
c. 10 less than 222 is _____. d. 100 less than 222 is _____.
e. 515 is 10 more than _____. f. 299 is 100 less than _____.
g. _____ is 100 less than 345. h. _____ is 10 more than 397.
i. 898 is _____ than 998. j. 607 is _____ than 597.
k. 10 more than 309 is _____. l. 309 is _____ than 319.

2. Complete each regular number pattern.

- a. 280, 290, _____, _____, _____, 330
b. 530, 520, 510, _____, _____, _____
c. 643, 543, _____, _____, _____, 143
d. 681, 691, _____, _____, _____, 731
e. 427, _____, _____, _____, 387, 377
f. _____, _____, _____, 788, 778, 768

3. Complete each statement.

a. $235 \xrightarrow{+10} \underline{\hspace{2cm}} \xrightarrow{+100} \underline{\hspace{2cm}}$

b. $391 \xrightarrow{-100} \underline{\hspace{2cm}} \xrightarrow{-10} \underline{\hspace{2cm}}$

c. $417 \xrightarrow{-10} \underline{\hspace{2cm}} \xrightarrow{-\underline{\hspace{1cm}}} \underline{\hspace{2cm}} \xrightarrow{-100} 297$

d. $311 \xrightarrow{-10} \underline{\hspace{2cm}} \xrightarrow{-10} \underline{\hspace{2cm}} \xrightarrow{+100} \underline{\hspace{2cm}} \xrightarrow{+100} \underline{\hspace{2cm}} \xrightarrow{+10} \underline{\hspace{2cm}}$

4. Solve using the arrow way.

a. $376 + 103 = \underline{\hspace{2cm}}$

b. $290 + \underline{\hspace{2cm}} = 400$

c. $\underline{\hspace{2cm}} + 712 = 852$

Name _____

Date _____

1. Solve each addition problem using place value strategies. Use the arrow way or mental math, and record your answers. You may use scrap paper if you like.

a. 4 hundreds 5 tens + 2 hundreds = _____ hundreds _____ tens

$$450 + 200 = \underline{\hspace{2cm}}$$

b. $220 + 300 = \underline{\hspace{2cm}}$ $230 + 500 = \underline{\hspace{2cm}}$ $200 + 440 = \underline{\hspace{2cm}}$

c. $400 + 368 = \underline{\hspace{2cm}}$ $386 + 500 = \underline{\hspace{2cm}}$ $700 + 239 = \underline{\hspace{2cm}}$

d. $119 + \underline{\hspace{2cm}} = 519$ $\underline{\hspace{2cm}} + 272 = 872$ $62 + \underline{\hspace{2cm}} = 562$

2. Solve each subtraction problem using place value strategies. Use the arrow way or mental math, and record your answers. You may use scrap paper if you like.

a. 5 hundreds 8 ones – 3 hundreds = _____ hundreds _____ tens _____ ones

$$508 - 300 = \underline{\hspace{2cm}}$$

b. $430 - 200 = \underline{\hspace{2cm}}$ $550 - 300 = \underline{\hspace{2cm}}$ $860 - \underline{\hspace{2cm}} = 360$

c. $628 - 200 = \underline{\hspace{2cm}}$ $718 - 500 = \underline{\hspace{2cm}}$ $836 - 400 = \underline{\hspace{2cm}}$

d. $553 - \underline{\hspace{2cm}} = 153$ $981 - \underline{\hspace{2cm}} = 381$ $827 - \underline{\hspace{2cm}} = 27$

3. Fill in the blanks to make true number sentences. Use place value strategies, number bonds, or the arrow way to solve.

a. 300 more than 215 is _____.

b. 300 more than _____ is 668.

c. 500 less than 980 is _____.

d. _____ less than 987 is 487.

e. 600 _____ than 871 is 271.

f. 400 _____ than 444 is 844.

Name _____

Date _____

1. Solve each set of problems using the arrow way.

a.

$260 + 200$

$260 + 240$

$260 + 250$

b.

$320 + 400$

$320 + 480$

$320 + 490$

c.

$550 + 200$

$550 + 250$

$550 + 270$

d.

$230 + 400$

$230 + 470$

$230 + 490$

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

a. $320 + 200 = \underline{\hspace{2cm}}$ $280 + 320 = \underline{\hspace{2cm}}$ $290 + 320 = \underline{\hspace{2cm}}$

b. $130 + 500 = \underline{\hspace{2cm}}$ $130 + 560 = \underline{\hspace{2cm}}$ $130 + 580 = \underline{\hspace{2cm}}$

c. $360 + 240 = \underline{\hspace{2cm}}$ $350 + 270 = \underline{\hspace{2cm}}$ $380 + 230 = \underline{\hspace{2cm}}$

d. $260 + 250 = \underline{\hspace{2cm}}$ $270 + 280 = \underline{\hspace{2cm}}$ $280 + 250 = \underline{\hspace{2cm}}$

e. $440 + 280 = \underline{\hspace{2cm}}$ $660 + 160 = \underline{\hspace{2cm}}$ $770 + 150 = \underline{\hspace{2cm}}$

3. Solve.

a. $34 \text{ tens} + 20 \text{ tens} = \underline{\hspace{2cm}} \text{ tens}$ b. $34 \text{ tens} + 26 \text{ tens} = \underline{\hspace{2cm}} \text{ tens}$

c. $34 \text{ tens} + 27 \text{ tens} = \underline{\hspace{2cm}} \text{ tens}$ d. $34 \text{ tens} + 28 \text{ tens} = \underline{\hspace{2cm}} \text{ tens}$

e. What is the value of 62 tens? $\underline{\hspace{2cm}}$

Name _____

Date _____

1. Solve using the arrow way.

a.

$430 - 200$

$430 - 230$

$430 - 240$

b.

$570 - 300$

$570 - 370$

$570 - 390$

c.

$750 - 400$

$750 - 450$

$750 - 480$

d.

$940 - 330$

$940 - 360$

$940 - 480$

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

a.

$330 - 200 = \underline{\hspace{2cm}}$

$330 - 230 = \underline{\hspace{2cm}}$

$330 - 260 = \underline{\hspace{2cm}}$

b.

$440 - 240 = \underline{\hspace{2cm}}$

$440 - 260 = \underline{\hspace{2cm}}$

$440 - 290 = \underline{\hspace{2cm}}$

c.

$860 - 560 = \underline{\hspace{2cm}}$

$860 - 570 = \underline{\hspace{2cm}}$

$860 - 590 = \underline{\hspace{2cm}}$

d.

$970 - 470 = \underline{\hspace{2cm}}$

$970 - 480 = \underline{\hspace{2cm}}$

$970 - 490 = \underline{\hspace{2cm}}$

3. Solve.

a. 66 tens – 30 tens = $\underline{\hspace{2cm}}$

b. 66 tens – 36 tens = $\underline{\hspace{2cm}}$

c. 66 tens – 38 tens = $\underline{\hspace{2cm}}$

d. 67 tens – 39 tens = $\underline{\hspace{2cm}}$

e. What is the value of 28 tens? $\underline{\hspace{2cm}}$

f. What is the value of 36 tens? $\underline{\hspace{2cm}}$

Name _____

Date _____

1. Solve.

a. $32 \text{ tens} = \underline{\hspace{2cm}}$

b. $52 \text{ tens} = \underline{\hspace{2cm}}$

c. $19 \text{ tens} + 11 \text{ tens} = \underline{\hspace{2cm}} \text{ tens}$

d. $19 \text{ tens} + 13 \text{ tens} = \underline{\hspace{2cm}} \text{ tens}$

e. $28 \text{ tens} + 23 \text{ tens} = \underline{\hspace{2cm}} \text{ tens}$

f. $28 \text{ tens} + 24 \text{ tens} = \underline{\hspace{2cm}} \text{ tens}$

2. Add by drawing a number bond to make a hundred. Write the simplified number sentence and solve.

a. $90 + 180$



$$\underline{100 + 170} = \underline{\hspace{2cm}}$$

b. $190 + 460$

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

c. $540 + 280$

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

d. $380 + 430$

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

e. $99 + 141$

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

f. $75 + 299$

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

g. $795 + 156$

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

Name _____

Date _____

1. Draw and label a tape diagram to show how to simplify the problem. Write the new number sentence, and then subtract.

a. $340 - 190 = \underline{350 - 200} = \underline{\hspace{2cm}}$

+ 10	340
------	-----

+ 10	190
------	-----

b. $420 - 190 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

--	--

--	--

c. $500 - 280 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

d. $650 - 280 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

e. $740 - 270 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

2. Draw and label a tape diagram to show how to simplify the problem. Write a new number sentence, and then subtract. Check your work using addition.

a. $236 - 99 =$ 237 - 100 $=$ _____

<table border="1"><tr><td>+ 1</td><td>236</td></tr><tr><td>+ 1</td><td>99</td></tr></table>	+ 1	236	+ 1	99	Check:
+ 1	236				
+ 1	99				

b. $372 - 199 =$ _____ $=$ _____

	Check:
--	--------

c. $442 - 298 =$ _____ $=$ _____

	Check:
--	--------

d. $718 - 390 =$ _____ $=$ _____

	Check:
--	--------

Name _____

Date _____

1. Solve each problem with a written strategy such as a tape diagram, a number bond, the arrow way, the vertical form, or chips on a place value chart.

a. $370 + 300 = \underline{\hspace{2cm}}$	b. $\underline{\hspace{2cm}} = 562 - 200$	c. $\underline{\hspace{2cm}} + 500 = 812$
d. $230 - 190 = \underline{\hspace{2cm}}$	e. $\underline{\hspace{2cm}} = 640 - 180$	f. $450 - 290 = \underline{\hspace{2cm}}$

2. Use the arrow way to complete the number sentences.

a. $420 - 230 = \underline{\hspace{2cm}}$	b. $340 - 160 = \underline{\hspace{2cm}}$	c. $710 - 350 = \underline{\hspace{2cm}}$
--	--	--

3. Solve $667 + 295$ using two different strategies.

a.	b.
----	----

c. Explain which strategy is easier to use when solving and why.

4. Circle one of the strategies below, and use the circled strategy to solve $199 + 478$.

a. <i>arrow way / number bond</i>	b. Solve:
--	-----------

c. Explain why you chose that strategy.

Name _____ Date _____

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

a. $505 + 75$	b. $606 + 84$
c. $293 + 114$	d. $314 + 495$
e. $364 + 326$	f. $346 + 234$
g. $384 + 225$	h. $609 + 351$

2. Solve using mental math, a simplifying strategy, or place value chart and place value disks.

a. $200 + 400 = \underline{\hspace{2cm}}$

b. $220 + 400 = \underline{\hspace{2cm}}$

c. $220 + 440 = \underline{\hspace{2cm}}$

d. $220 + 480 = \underline{\hspace{2cm}}$

e. $225 + 485 = \underline{\hspace{2cm}}$

f. $500 + 60 = \underline{\hspace{2cm}}$

g. $500 + 160 = \underline{\hspace{2cm}}$

h. $540 + 160 = \underline{\hspace{2cm}}$

i. $560 + 240 = \underline{\hspace{2cm}}$

j. $560 + 250 = \underline{\hspace{2cm}}$

Name _____

Date _____

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

a. $205 + 345$	b. $365 + 406$
c. $446 + 334$	d. $466 + 226$
e. $537 + 243$	f. $358 + 443$
g. $753 + 157$	h. $663 + 258$

2. Solve using mental math, a simplifying strategy, or a place value chart and place value disks.

a. $180 + 420 =$ _____

b. $190 + 430 =$ _____

c. $364 + 236 =$ _____

d. $275 + 435 =$ _____

e. $404 + 206 =$ _____

f. $440 + 260 =$ _____

g. $444 + 266 =$ _____

Name _____

Date _____

1. Solve using vertical form, and draw chips on the place value chart. Bundle as needed.

hundreds	tens	ones

a. $124 + 260 =$ _____

hundreds	tens	ones

b. $426 + 324 =$ _____

hundreds	tens	ones

c. $362 + 243 =$ _____

hundreds	tens	ones

d. $606 + 294 = \underline{\hspace{2cm}}$

2. Solve using vertical form, and draw chips on a place value chart. Bundle as needed.

a. $372 + 118 = \underline{\hspace{2cm}}$

b. $248 + 233 = \underline{\hspace{2cm}}$

Name _____

Date _____

1. Solve using vertical form, and draw chips on the place value chart. Bundle as needed.

hundreds	tens	ones

a. $167 + 224 =$ _____

hundreds	tens	ones

b. $518 + 245 =$ _____

hundreds	tens	ones

c. $482 + 369 =$ _____

hundreds	tens	ones

d. $638 + 298 = \underline{\hspace{2cm}}$

2. Solve using vertical form, and draw chips on a place value chart. Bundle as needed.

a. $456 + 378$

b. $187 + 567$

Name _____

Date _____

1. Solve $435 + 290$ using two different strategies.

a.	b.
----	----

Explain which strategy would be easier and why.

2. Choose the best strategy and solve. Explain why you chose that strategy.

a. $299 + 458$	Explanation: <hr/> <hr/> <hr/> <hr/>
b. $733 + 210$	Explanation: <hr/> <hr/> <hr/> <hr/>
c. $295 + 466$	Explanation: <hr/> <hr/> <hr/> <hr/>

Name _____

Date _____

1. Solve using mental math.


a. $9 - 5 = \underline{\quad}$ $90 - 50 = \underline{\quad}$ $190 - 50 = \underline{\quad}$ $190 - 49 = \underline{\quad}$

b. $7 - 4 = \underline{\quad}$ $70 - 40 = \underline{\quad}$ $370 - 40 = \underline{\quad}$ $370 - 39 = \underline{\quad}$

2. Solve using mental math or vertical form with place value disks. Check your work using addition.

a. $153 - 31 = \underline{122}$

b. $153 - 38 = \underline{\quad}$


$$\begin{array}{r} 153 \\ - 31 \\ \hline 122 \end{array}$$
$$\begin{array}{r} 122 \\ + 31 \\ \hline 153 \end{array}$$

c. $362 - 49 = \underline{\quad}$

d. $485 - 177 = \underline{\quad}$

e. $753 - 290 = \underline{\hspace{2cm}}$

f. $567 - 290 = \underline{\hspace{2cm}}$

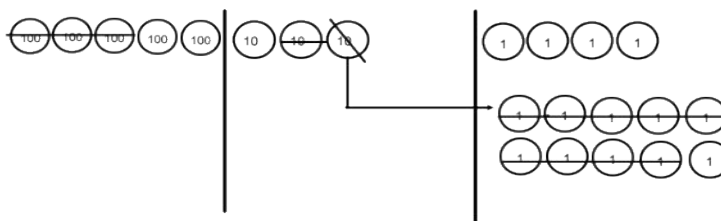
g. $873 - 428 = \underline{\hspace{2cm}}$

h. $817 - 565 = \underline{\hspace{2cm}}$

i. $973 - 681 = \underline{\hspace{2cm}}$

j. $748 - 239 = \underline{\hspace{2cm}}$

3. Complete the number sentence modeled by place value disks.



$$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = 215$$

Name _____

Date _____

1. Solve by drawing place value disks on a chart. Then, use addition to check your work.

a. $373 - 180$	Solve vertically or mentally:	Check:
b. $463 - 357$	Solve vertically or mentally:	Check:
c. $723 - 584$	Solve vertically or mentally:	Check:

d. $861 - 673$	Solve vertically or mentally:	Check:
e. $898 - 889$	Solve vertically or mentally:	Check:

2. If $544 + 366 = 910$, then $910 - 544 = 366$. Explain why this statement is true using numbers, pictures, or words.

Name _____

Date _____

1. Solve by drawing chips on the place value chart. Then, use addition to check your work.

<p>a. $800 - 675$</p> <table border="1" style="margin: 10px auto; width: 150px;"> <thead> <tr> <th style="padding: 5px;">hundreds</th> <th style="padding: 5px;">tens</th> <th style="padding: 5px;">ones</th> </tr> </thead> <tbody> <tr> <td style="height: 150px;"></td> <td></td> <td></td> </tr> </tbody> </table>	hundreds	tens	ones				<p>Solve vertically or mentally:</p>	<p>Check:</p>
hundreds	tens	ones						
<p>b. $742 - 495$</p> <table border="1" style="margin: 10px auto; width: 150px;"> <thead> <tr> <th style="padding: 5px;">hundreds</th> <th style="padding: 5px;">tens</th> <th style="padding: 5px;">ones</th> </tr> </thead> <tbody> <tr> <td style="height: 150px;"></td> <td></td> <td></td> </tr> </tbody> </table>	hundreds	tens	ones				<p>Solve vertically or mentally:</p>	<p>Check:</p>
hundreds	tens	ones						
<p>c. $657 - 290$</p> <table border="1" style="margin: 10px auto; width: 150px;"> <thead> <tr> <th style="padding: 5px;">hundreds</th> <th style="padding: 5px;">tens</th> <th style="padding: 5px;">ones</th> </tr> </thead> <tbody> <tr> <td style="height: 150px;"></td> <td></td> <td></td> </tr> </tbody> </table>	hundreds	tens	ones				<p>Solve vertically or mentally:</p>	<p>Check:</p>
hundreds	tens	ones						

<p>d. $877 - 398$</p> <table border="1"> <thead> <tr> <th>hundreds</th> <th>tens</th> <th>ones</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	hundreds	tens	ones				Solve vertically or mentally:	Check:
hundreds	tens	ones						
<p>e. $941 - 628$</p> <table border="1"> <thead> <tr> <th>hundreds</th> <th>tens</th> <th>ones</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	hundreds	tens	ones				Solve vertically or mentally:	Check:
hundreds	tens	ones						

2. Complete all of the *if...then* statements. Draw a number bond to represent the related facts.

a. If $928 - \underline{\hspace{2cm}} = 519$, then $519 + 409 = \underline{\hspace{2cm}}$.

b. If $764 - \underline{\hspace{2cm}} = 391$, then $\underline{\hspace{2cm}} + 391 = 764$.

Name _____

Date _____

1. Solve vertically or using mental math. Draw chips on the place value chart and unbundle, if needed.

a. $206 - 89 =$ _____

hundreds	tens	ones

b. $509 - 371 =$ _____

hundreds	tens	ones

c. $607 - 288 =$ _____

hundreds	tens	ones

d. $800 - 608 =$ _____

hundreds	tens	ones

e. $900 - 572 =$ _____

hundreds	tens	ones

2. Andy said that $599 - 456$ is the same as $600 - 457$. Write an explanation using pictures, numbers, or words to prove Andy is correct.

Name _____

Date _____

1. Solve vertically or using mental math. Draw chips on the place value chart and unbundle, if needed.

a. $200 - 123 =$ _____

hundreds	tens	ones

b. $400 - 219 =$ _____

hundreds	tens	ones

c. $700 - 542 =$ _____

hundreds	tens	ones

d. $800 - 409 =$ _____

hundreds	tens	ones

e. $905 - 606 =$ _____

hundreds	tens	ones

2. Solve $800 - 567$. Then, check your work using addition.

Solution:

Check:

Name _____

Date _____

1. Use the arrow way and counting on to solve.

a. $700 - 462$

b. $900 - 232$

2. Solve vertically and draw a place value chart and chips. Rename in one step.

a. $907 - 467$

b. $803 - 667$

3. Choose a strategy to solve and explain why you chose that strategy.

a. $700 - 390$

Explanation:

b. $919 - 657$

Explanation:

4. Explain why $300 - 186$ is the same as $299 - 185$.

Explanation:

5. Solve $500 - 278$ using the simplifying strategy from Problem 4.

Solution:

Name _____

Date _____

1. Solve and explain why you chose that strategy.

a. $340 + 250 =$ _____	Explanation: _____ _____ _____ _____
b. $490 + 350 =$ _____	Explanation: _____ _____ _____ _____
c. $519 + 342 =$ _____	Explanation: _____ _____ _____ _____

d. $610 + \underline{\hspace{2cm}} = 784$	Explanation: <hr/> <hr/> <hr/> <hr/> <hr/>
e. $700 - 456 = \underline{\hspace{2cm}}$	Explanation: <hr/> <hr/> <hr/> <hr/> <hr/>
f. $904 - 395 = \underline{\hspace{2cm}}$	Explanation: <hr/> <hr/> <hr/> <hr/> <hr/>

Name _____

Date _____

Solve each problem using two different strategies.

1. $456 + 244 = \underline{\hspace{2cm}}$

a. First Strategy

b. Second Strategy

2. $698 + \underline{\hspace{2cm}} = 945$

a. First Strategy

b. Second Strategy

Circle a strategy to solve and explain why you chose that strategy.

3. $257 + 160 = \underline{\hspace{2cm}}$

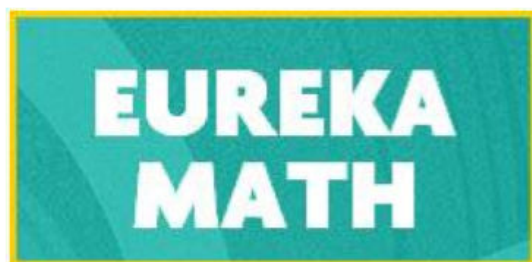
a. *Arrow way or vertical form*

<p>b. Solve:</p>	<p>c. Explanation:</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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4. $754 - 597 = \underline{\hspace{2cm}}$

a. *Number bond or arrow way*

<p>b. Solve:</p>	<p>c. Explanation:</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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Video tutorials: <http://embarc.online>



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