# Eureka Math<sup>™</sup>

Grade 2, Module 5

Student File\_A Contains

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

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A STORY OF UNITS

#### Name Date

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

a. 10 more than 175 is b. 100 more than 175 is
c. 10 less than 175 is d. 100 less than 175 is
e. 319 is 10 more than f. 499 is 100 less than
g is 100 less than 888. h is 10 more than 493.
i. 898 is than 998. j. 607 is than 597
k. 10 more than 309 is I. 309 is than 319.
2. Complete each regular number pattern.
a. 170, 180, 190,,,
b. 420, 410, 400,,,
c. 789, 689,,,, 289
d. 565, 575,,, 615
e. 724,,, 684, 674
f,, 886, 876, 866
1 ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015 Lesson 1: Relate 10 more, 10 less, 100 more, and 100 less to addition and subtraction of 10 and 100. Lesson 1 Problem Set
A STORY OF UNITS
3. Complete each statement.
a. 389 +10 +100 b. 187 -10010
<b>→</b>
c. 609 -10 → <sup>-</sup> → 499 +10 → <sup>+</sup> —
→ 519
d. 512 -10 → +100 → +100
→ +10 →
4. Solve using the arrow way.
a. 210 + 130 =
b. 320 + = 400
c + 515 = 735
2
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<b>Lesson 1:</b> Relate 10 more, 10 less, 100 more, and 100 less to addition and subtraction of 10 and 100

**Lesson 1 Problem Set** 

#### A STORY OF UNITS

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- 1 \	М	!!⊏	11	่	_

Name Date		
1. Complete each <i>more</i>	e or <i>less</i> statement.	
a. 10 more than 222 is	b. 100 mor	e than 222 is
c. 10 less than 222 is _	d. 100 less t	han 222 is
e. 515 is 10 more than	f. 299 is 10	0 less than
g is 100 less	than 345. h	_ is 10 more than 397.
. 898 is	_ than 998. j. 607 is _	than 597.
k. 10 more than 309 is	I. 309 is	than 319.
2. Complete each regul	lar number pattern.	
a. 280, 290,,	,, 330	
o. 530, 520, 510,		
c. 643, 543,,		
d. 681, 691,,	,, 731	
e. 427,,	_,, 387, 377	
: ·,,	, 788, 778, 768	
3		
22015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015		
<b>_esson 1:</b> Relate 10 more, 10 less	s, 100 more, and 100 less to ad	dition and

subtraction of 10 and 100.

## **Lesson 1 Homework**

### A STORY OF UNITS

3. Complete each statement.

$$\rightarrow$$
 \_\_\_\_\_ +100  $\rightarrow$  \_\_\_\_\_ b. 391 -100  $\rightarrow$  \_\_\_\_\_ -10

$$\rightarrow$$
 \_\_\_\_

d. 311 
$$\longrightarrow$$
 -10  $\longrightarrow$  -10  $\longrightarrow$  +100  $\longrightarrow$  +100

4. Solve using the arrow way.

4

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**Lesson 1:** Relate 10 more, 10 less, 100 more, and 100 less to addition and subtraction of 10 and 100.

## **Lesson 1 Homework**

chart
A STORY OF
UNITS

Lesson 1
Template 1
Lesson 1
Template 1

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Lesson 1: Relate 10 more, 10 less, 100 more, and 100 and

subtraction of 10 and 100.

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#### A STORY OF UNITS

unlabeled hundreds place value chart

6

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**Lesson 1:** Relate 10 more, 10 less, 100 more, and 100 less to addition and subtraction of 10 and 100. G2-M5-SE-1.3.0-06.2015

## **Lesson 1 Template 2**

**Lesson** a story of units

## 2 Problem Set

#### Name Date

- 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. 2 hundreds 4 tens + 3 hundreds = \_\_\_\_ hundreds \_\_\_\_ tens

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. 6 hundreds 2 ones - 4 hundreds = \_\_\_\_ hundreds \_\_\_\_ tens \_\_\_ ones

7 Lesson 2: Add and

subtract multiples of 100, including counting on to subtract.

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## **Lesson** a story of units

## 2 Problem Set

- 3. Fill in the blanks to make true number sentences. Use place value strategies, number bonds, or the arrow way to solve.
  - a. 200 more than 389 is \_\_\_\_\_.
  - b. 300 more than \_\_\_\_\_ is 568.

c. 400 less than 867 is
d less than 962 is 262.
4. Jessica's lemon tree had 526 lemons. She gave away 300 lemons. How many does

8 Lesson 2: Add and

subtract multiples of 100, including counting on to subtract.

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she have left? Use the arrow way to solve.

**Lesson** a story of units

2 Homework

#### 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

- 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

subtract multiples of 100, including counting on to subtract.

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# Lesson a story of units

## 2 Homework

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.

10 Lesson 2: Add and

subtract multiples of 100, including counting on to subtract.

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A STORY OF **UNITS** 

**Lesson 3 Problem** 

380 + 200

Set

380 + 220

380 + 230

b.

Name Date

470 + 400

1. Solve each set of problems using the arrow

470 + 430

а

470 + 450

$$650 + 200$$

$$650 + 250$$

$$650 + 280$$

$$430 + 370$$

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

1

1

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Lesson 3: Add multiples of 100 and sor

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A STORY OF UNITS

# **Lesson 3 Problem Set**

3. Solve.

c. 66 tens + 2	320 + 400			
e. What is the value of 86 tens?				320 + 480
0				320 + 490
		1 2	C .	
	©2015 Great Minds. eureka-math.org <b>Lesson 3:</b> Add multiples of 10	00 and sor		550 + 200
	G2-M5-SE-1.3.0-06.2015			550 + 250
A STORY OF UNITS	GE GE 1.500 GS.EG.10			550 + 270
Le	sson 3			
Но	omework		d.	
				230 + 400
				230 + 470
Name Date				230 + 490
Solve each set of problems using the arrow				

1. Solve each set of problems using the arrow

260 + 200

а

260 + 200

1 3

Lesson 3: Add multiples of 100 and some tens within

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260 + 240

260 + 250 G2-M5-SE-1.3.0-06.2015

A STORY OF UNITS

# Lesson 3 Homework

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

- 3. Solve.
  - a. 34 tens + 20 tens = tens b. 34 tens + 26 tens = tens

- c. 34 tens + 27 tens = tens d. 34 tens + 28 tens = tens
- e. What is the value of 62 tens?

14 Lesson 3: Add

multiples of 100 and some tens within 1,000.

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#### A STORY OF UNITS

#### Name Date

1. Solve using the arrow way.

а

570 - 200

570 - 270

570 - 290

b.

760 - 400

760 - 460

760 - 480

C.

950 - 500

950 - 550

950 - 580

d.

820 - 320

820 - 360

820 - 390

**15** Lesson 4: Subtract multiples of 100 and some tens within 1,000.

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## **Lesson 4 Problem Set**

#### A STORY OF UNITS

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

a.

b.

950 - 550 = \_\_\_\_\_ 950 - 660 = \_\_\_\_ 950 - 680 = \_\_\_\_ C.

640 - 240 = \_\_\_\_\_ 640 - 250 = \_\_\_\_ 640 - 290 = \_\_\_\_

740 - 440 = \_\_\_\_\_ 740 - 650 = \_\_\_\_ 740 - 690 = \_\_\_\_

3. Solve.

a. 88 tens - 20 tens = \_\_\_\_\_ b. 88 tens - 28 tens = \_\_\_\_

c. 88 tens - 29 tens = \_\_\_\_\_ d. 84 tens - 28 tens = \_\_\_\_

e. What is the value of 60 tens? \_\_\_\_\_

f. What is the value of 56 tens?

**16** Lesson 4: Subtract multiples of 100 and some tens within 1,000.

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## **Lesson 4 Problem Set**

A STORY OF UNITS

#### Name Date

1. Solve using the arrow way.

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

17 Lesson 4: Subtract multiples of 100 and some tens within 1,000.

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## **Lesson 4 Homework**

A STORY OF UNITS

	2. Solve using the ar	row way or m	nental math. Use scr	ap paper if r	needed.
	a.				
	330 - 200 =	330 - 230 =	330 - 260	=	
	b.				
	440 - 240 =	440 - 260 =	440 - 290	=	
	C.				
	860 - 560 =	860 - 570 =	860 - 590	=	
	d.				
	970 - 470 =	970 - 480 =	970 - 490	=	
	3. Solve.				
	a. 66 tens - 30 tens =				
	c. 66 tens - 38 tens =				
	e. What is the value				
	f. What is the value of				
	18 Lesson 4: Subtract multip ©2015 Great Minds. eureka-math.org	oles of 100 and son	me tens within 1,000.		
	G2-M5-SE-1.3.0-06.2015	and all			
	Lesson 4 Home	work			
Na	ame Date				
1	Solve.				
١.	Solve.				
	a. 30 tens =	b 43	tens =		
		50		_	
	c. 18 tens + 12 tens	= te	ns d. 18 tens + 13 te	ens =	_ tens
	e. 24 tens + 19 tens	= te	ns f. 25 tens + 29 te	ns =	tens
2	Add by drawing a nu	mher hand to	n make a hundred M	/rite the sim	nlified equation
۷.		mber bond te	Thake a hundred. V	viite tile siili	pillica equation
	and				
	solve.				
	o 100 ± 120				
	a. 190 + 130				

c. 330 + 180

A STORY OF UNITS

1 9

**Lesson 5:** Use the associative property to make a hun addend.

**Lesson 5 Problem Set** 

1



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**Lesson 5:** Use the associative property to make a hun addend.

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#### A STORY OF UNITS

Name Date

1	S	0	l۷	е

a. 32 tens = \_\_\_\_\_ b. 52 tens = \_\_\_\_

c. 19 tens + 11 tens = \_\_\_\_\_ tens d. 19 tens + 13 tens = \_\_\_\_ tens

e. 28 tens + 23 tens = \_\_\_\_\_ tens f. 28 tens + 24 tens = \_\_\_\_ tens

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

a. 90 + 180

10 170

100 + 170 =

b. 190 + 460

**21** Lesson 5: Use the associative property to make a hundred in one addend.

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## **Lesson 5 Homework**

A STORY OF UNITS

$$c.540 + 280$$

$$d.380 + 430$$

=

22 Lesson 5: Use the associative property to make a hundred in one addend.

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#### Lesson 5 Homework

#### Name Date

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

a. 
$$220 - 190 = 230 - 200 =$$

c. 
$$400 - 280 = =$$

```
d.470 - 280 = =
```

A STORY OF UNITS

+ 10

+ 10

23 Lesson 6: Use the associative property to subtract from three-digit numbers and

verify solutions with addition.

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220

190

## **Lesson 6 Problem Set**

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

Check:

Check:

c. 
$$432 - 298 = =$$

Check:

Check:

A STORY OF UNITS

+ 1

+ 1

24 Lesson 6: Use the associative property to subtract from three-digit numbers and

verify solutions with addition. ©2015 Great Minds. eureka-math.org

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199

451

## **Lesson 6 Problem Set**

#### Name Date

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

c. 
$$500 - 280 = =$$

$$d.650 - 280 = =$$

+ 10 + 10  25 Lesson 6: Use the associative property to subtract from three-digit numbers and verify solutions with addition.  ©2015 Great Minds. eureka-math.org  G2-M5-SE-1.3.0-06.2015  340
190
Lesson 6 Homework
2. Draw and label a tape diagram to show how to simplify the problem. Write a new equation, and then subtract. Check your work using addition.  a. 236 - 99 = 237 - 100 =
Check:
b. 372 - 199 = =
Check:
c. 442 - 298 = =
Check:
d. 718 - 390 = =
Check:
A STORY OF UNITS + 1
+ 1
26 Lesson 6: Use the associative property to subtract from three-digit numbers and
verify solutions with addition.  ©2015 Great Minds. eureka-math.org  G2-M5-SE-1.3.0-06.2015  99
236
Lesson 6 Homework
Name Date
1. Circle the student work that shows a <i>correct</i> solution to 543 + 290.
Explain the mistake in any of the incorrect solutions.
<u> </u>

2. Circle the student work that *correctly* shows a strategy to solve 721 - 490. Fix the work that is *incorrect* by making a new drawing in the space below with a

## matching number sentence.

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27 Lesson 7: Share and critique solution strategies for varied addition and subtraction problems within 1,000

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## **Lesson 7 Problem Set**

3. Two students solved 636 + 294 using two different strategies.  Explain which strategy would be easier to use when solving and why.				
4. Circle one of the strategies below, and use the circled strategy to solve 290 + 374.				
arrow way / number bond				
b. Solve:				
c. Explain why you chose that strategy.				
A STORY OF UNITS				
28 Lesson 7: Share and critique solution strategies for varied addition and subtraction problems within 1,000 ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015				
Lesson 7 Problem Set				
A STORY OF UNITS				
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 = b.				
= 562 – 200				
C.				
+ 500 = 812				
d.				
230 - 190 =				

e.
= 640 – 180
f.
450 - 290 =
Use the arrow way to complete the number sentences.
a.
420 - 230 =
b. 340 - 160 =
C. 710 – 350 =
29 Lesson 7: Share and critique solution strategies for varied addition and subtraction problems within 1,000 ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015
Lesson 7 Homework
A STORY OF UNITS
3. Solve 667 + 295 using two different strategies.
a.b.
c. Explain which strategy is easier to use when solving and why.
<del></del>
4. Circle one of the strategies below, and use the circled strategy to solve 199 + 478.
a.
arrow way / number bond
b. Solve:
c. Explain why you chose that strategy.
30 Lesson 7: Share and critique solution strategies for varied addition and

**30** Lesson 7: Share and critique solution strategies for varied addition and

subtraction problems within 1,000 ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015

## **Lesson 7 Homework**

student work samples
A STORY OF UNITS

31 Lesson 7: Share and critique solution strategies for varied addition and

subtraction problems within 1,000 ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015

## **Lesson 7 Template**

#### A STORY OF UNITS

#### 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. 301 + 49 b. 402 + 48
- c. 315 + 93 d. 216 + 192
- e. 545 + 346 f. 565 + 226
- g. 222 + 687 h. 164 + 745
- 32 Lesson 8: Relate manipulative representations to the addition algorithm.

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## **Lesson 8 Problem Set**

A STORY OF UNITS

- 2. Solve.
- a. 300 + 200 = \_\_\_\_
- b. 320 + 200 = \_\_\_\_
- c. 320 + 230 = \_\_\_\_
- d. 320 + 280 = \_\_\_\_
- e. 328 + 286 = \_\_\_\_
- f. 600 + 80 = \_\_\_\_
- g. 600 + 180 = \_\_\_\_
- h. 620 + 180 = \_\_\_\_
- i. 680 + 220 =
- j. 680 + 230 = \_\_\_\_
- 33 Lesson 8: Relate manipulative representations to the addition algorithm.

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### **Lesson 8 Problem Set**

A STORY OF UNITS

#### 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
- **34** Lesson 8: Relate manipulative representations to the addition algorithm.

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## **Lesson 8 Homework**

A STORY OF UNITS

- 2. Solve.
- a. 200 + 400 = \_\_\_\_
- b. 220 + 400 = \_\_\_\_
- c. 220 + 440 = \_\_\_\_
- d. 220 + 480 = \_\_\_\_
- e. 225 + 485 =
- f. 500 + 60 = \_\_\_\_
- g. 500 + 160 = \_\_\_\_
- h. 540 + 160 =
- i. 560 + 240 = \_\_\_\_
- j. 560 + 250 =
- 35 Lesson 8: Relate manipulative representations to the addition algorithm.

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## **Lesson 8 Homework**

A STORY OF UNITS

#### Name Date

1. Solve the following problems using place value disks, a place value chart, and vertical

form.

- a. 417 + 293 b. 526 + 185
- c. 338 + 273 d. 625 + 186
- e. 250 + 530 f. 243 + 537
- g. 376 + 624 h. 283 + 657
- **36** Lesson 9: Relate manipulative representations to the addition algorithm.

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## **Lesson 9 Problem Set**

A STORY OF UNITS

2. Solve.

a. 270 + 430 =	
b. 260 + 440 =	
c. 255 + 445 =	
1 050 440	

37 Lesson 9: Relate manipulative representations to the addition algorithm.

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## **Lesson 9 Problem Set**

A STORY OF UNITS

#### 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.

38 Lesson 9: Relate manipulative representations to the addition algorithm.

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## **Lesson 9 Homework**

A STORY OF UNITS

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39 Lesson 9: Relate manipulative representations to the addition algorithm.

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## Lesson 9 Homework

Name Date

1. Solve using vertical form, and draw chips on the place value chart. Bundle as needed.  a. 117 + 170 = b. 217 + 173 = c. 371 + 133 = A STORY OF UNITS hundreds tens ones hundreds tens ones hundreds tens ones 40 Lesson 10: Use math drawings to represent additions with up to two compositions and relate drawings to the addition algorithm.  ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015  Lesson 10 Problem Set
d 504 + 260 <del>-</del>
d. 504 + 269 =
2. Solve using vertical form, and draw chips on a place value chart. Bundle as needed.
a. 546 + 192 =
b. 546 + 275 =
A STORY OF UNITS
hundreds tens ones
41 Lesson 10: Use math drawings to represent additions with up to two
compositions and relate drawings to the addition algorithm. ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015
Lesson 10 Problem Set
Name Date
1. Solve using vertical form, and draw chips on the place value chart. Bundle as
needed.
a. 124 + 260 =
b. 426 + 324 =
c. 362 + 243 =
A STORY OF UNITS
hundreds tens ones
hundreds tens ones
hundreds tens ones
42 Lesson 10: Use math drawings to represent additions with up to two
compositions and relate drawings to the addition algorithm. ©2015 Great Minds. eureka-math.org
Lesson 10 Homework

d. 606 + 294 =
2. Solve using vertical form, and draw chips on a place value chart. Bundle as needed.
a. 372 + 118 =
b. 248 + 233 =
A STORY OF UNITS
hundreds tens ones
<b>43</b> Lesson 10: Use math drawings to represent additions with up to two compositions and relate drawings to the addition algorithm.  ©2015 Great Minds. eureka-math.org  G2-M5-SE-1.3.0-06.2015
Lesson 10 Homework
Name Date
Solve using vertical form, and draw chips on the place value chart. Bundle as
needed.
a. 227 + 183 =
b. 424 + 288 =
c. 638 + 298 =
A STORY OF UNITS
hundreds tens ones
hundreds tens ones
hundreds tens ones
<b>44</b> Lesson 11: Use math drawings to represent additions with up to two compositions and relate drawings to the addition algorithm.  ©2015 Great Minds. eureka-math.org  G2-M5-SE-1.3.0-06.2015
Lesson 11 Problem Set
d. 648 + 289 =
2. Solve using vertical form, and draw chips on a place value chart. Bundle as needed.
a. 307 + 187
b. 398 + 207
A STORY OF UNITS
hundreds tens ones
45 Lesson 11: Use math drawings to represent additions with up to two
compositions and relate drawings to the addition algorithm.  ©2015 Great Minds. eureka-math.org  G2-M5-SE-1.3.0-06.2015
Lesson 11 Problem Set

## Name Date

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

a. 167 + 224 = b. 518 + 245 = c. 482 + 369 = A STORY OF UNITS hundreds tens ones hundreds tens ones hundreds tens ones 46 Lesson 11: Use math drawings to represent additions with up to two compositions and relate drawings to the addition algorithm.  ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015  Lesson 11 Homework
d. 638 + 298 =  2. Solve using vertical form, and draw chips on a place value chart. Bundle as needed. a. 456 + 378 b. 187 + 567 A STORY OF UNITS hundreds tens ones 47 Lesson 11: Use math drawings to represent additions with up to two compositions and relate drawings to the addition algorithm.  ©2015 Great Minds. eureka-math.org ©2015 Great Minds. eureka-mat
A STORY OF UNITS  48 Lesson 12: Choose and explain solution strategies and record with a written addition method.  ©2015 Great Minds. eureka-math.org  ©2-M5-SE-1.30-06.2015 hundreds tens ones  Lesson 12 Problem Set  A STORY OF UNITS  2. Choose the best strategy and solve. Explain why you chose that strategy.  a. 221 + 498 Explanation:

b. 467 + 200 Explanation:
<del></del>
<del></del>
c. 378 + 464 Explanation:
49 Lesson 12: Choose and explain solution strategies and record with a written addition method.  ©2015 Great Minds. eureka-math.org  G2-M5-SE-1.3.0-06.2015
Lesson 12 Problem Set
A STORY OF UNITS
Name Date
1. Solve 435 + 290 using two different strategies.
<ul><li>a. b.</li><li>c. Explain which strategy would be easier and why.</li></ul>
50 Lesson 12: Choose and explain solution strategies and record with a written addition method.  ©2015 Great Minds. eureka-math.org  G2-M5-SE-1.3.0-06.2015
Lesson 12 Homework
A STORY OF UNITS
2. Choose the best strategy and solve. Explain why you chose that strategy. a. 299 + 458 Explanation:
<del></del>

b. 733 + 210 Explanation:
c. 295 + 466 Explanation:
<b>51</b> Lesson 12: Choose and explain solution strategies and record with a written addition method.  ©2015 Great Minds. eureka-math.org  G2-M5-SE-1.3.0-06.2015
Lesson 12 Homework
A STORY OF UNITS
Name Date 1. Solve using mental math.
a. 8 - 6 = 80 - 60 = 180 - 60 = 180 - 59 =
b. 6 - 3 = 60 - 30 = 760 - 30 = 760 - 28 =
<ol><li>Solve using mental math or vertical form with place value disks. Check your work using addition.</li></ol>
a. 138 - 17 = 121 b. 138 - 19 =
138 121 -17 + 17 121 138
c. 445 - 35 = d. 445 - 53 =
<b>52</b> Lesson 13: Relate manipulative representations to the subtraction algorithm, and use addition to explain why the subtraction method works.  ©2015 Great Minds. eureka-math.org  G2-M5-SE-1.3.0-06.2015
Lesson 13 Problem Set
A STORY OF UNITS
e. 863 - 170 = f. 845 - 152 =
g. 472 - 228 = h. 418 - 274 =
i. 567 - 184 = j. 567 - 148 =

**53** Lesson 13: Relate manipulative representations to the subtraction algorithm, and use addition to explain why the subtraction method works. ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015

## **Lesson 13 Problem Set**

A STORY OF UNITS

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11	aı	ne	$\nu$	ווכ

1. Solve using mental math.

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

**54** Lesson 13: Relate manipulative representations to the subtraction algorithm, and

use addition to explain why the subtraction method works.

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## **Lesson 13 Homework**

A STORY OF UNITS

- 3. Complete the number sentence modeled by place value disks.
- **55 Lesson 13:** Relate manipulative representations to the subtraction algorithm, and use addition to explain why the subtraction method works.

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## **Lesson 13 Homework**

A STORY OF UNITS

#### Name Date

- 1. Solve by drawing place value disks on a chart. Then, use addition to check your work.
- a. 469 170 Solve vertically

or mentally:

Check:

b. 531 - 224 Solve vertically

or mentally:

Check:

c. 618 - 229 Solve vertically

## or mentally:

#### Check:

56 Lesson 14: Use math drawings to represent subtraction with up to two

decompositions, relate drawings to the algorithm, and use addition to explain why the subtraction method works. ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015

### **Lesson 14 Problem Set**

A STORY OF UNITS

d. 838 - 384 Solve vertically

or mentally:

Check:

e. 927 - 628 Solve vertically

or mentally:

Check:

2. If 561 - 387 = 174, then 174 + 387 = 561. Explain why this statement is true using numbers, pictures, or words.

57 Lesson 14: Use math drawings to represent subtraction with up to two

decompositions, relate drawings to the algorithm, and use addition to explain why the subtraction method works. ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015

## **Lesson 14 Problem Set**

A STORY OF UNITS

#### 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:

58 Lesson 14: Use math drawings to represent subtraction with up to two

decompositions, relate drawings to the algorithm, and use addition to explain why the subtraction method works. ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015

## **Lesson 14 Homework**

#### A STORY OF UNITS

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.

59 Lesson 14: Use math drawings to represent subtraction with up to two

decompositions, relate drawings to the algorithm, and use addition to explain why the subtraction method works. ©2015 Great Minds. eureka-math.org

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## **Lesson 14 Homework**

#### Name Date

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

a. 699 - 210 Solve vertically

or mentally:

Check:

b. 758 - 387 Solve vertically

or mentally:

Check:

c. 788 - 299 Solve vertically

or mentally:

Check:

A STORY OF UNITS

hundreds tens ones

hundreds tens ones

hundreds tens ones

60 Lesson 15: Use math drawings to represent subtraction with up to two

decompositions, relate drawings to the algorithm, and use addition to explain why the subtraction method works. ©2015 Great Minds. eureka-math.org G2-MS-SE-1.3.0-06.2015

## **Lesson 15 Problem Set**

d. 821 - 523 Solve vertically

or mentally:

Check:

e. 913 - 558 Solve vertically or mentally: Check: 2. Complete all of the *if...then* statements. Draw a number bond to represent the related facts. a. If **762** - \_\_\_\_\_ = **173**, then **173** + **589** = \_\_\_\_\_. b. If **631** - \_\_\_\_ = **273**, then \_\_\_\_ + **273** = **631**. A STORY OF UNITS hundreds tens ones hundreds tens ones 61 Lesson 15: Use math drawings to represent subtraction with up to two decompositions, relate drawings to the algorithm, and use addition to explain why the subtraction method works. ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015 **Lesson 15 Problem Set** Name Date 1. Solve by drawing chips on the place value chart. Then, use addition to check your work. a. 800 - 675 Solve vertically or mentally: Check: b. 742 - 495 Solve vertically or mentally: Check: c. 657 - 290 Solve vertically or mentally: Check: A STORY OF UNITS hundreds tens ones hundreds tens ones hundreds tens ones **62** Lesson 15: Use math drawings to represent subtraction with up to two

decompositions, relate drawings to the algorithm, and use addition to explain why the subtraction method works. ©2015 Great Minds, eureka-math.org

**Lesson 15 Homework** 

d. 877 - 398 Solve vertically

or mentally:

Check:

e. 941 - 628 Solve vertically

or mentally:
Check:
2. Complete all of the <i>ifthen</i> statements. Draw a number bond to represent the
related facts.
a. If <b>928</b> = <b>519</b> , then <b>519 + 409</b> =
b. If <b>764</b> = <b>391</b> , then + <b>391</b> = <b>764</b> .
A STORY OF UNITS
hundreds tens ones
hundreds tens ones
63 Lesson 15: Use math drawings to represent subtraction with up to two decompositions, relate drawings to the algorithm, and use addition to explain why the subtraction method works.  ©2015 Great Minds. eureka-math.org  G2-M5-SE-1.3.0-06.2015  Lesson 15 Homework
Lesson 13 Homework
Name Date
1. Solve vertically or using mental math. Draw chips on the place value chart and
unbundle, if needed.
a. 304 - 53 =
b. 406 - 187 =
c. 501 - 316 =
A STORY OF UNITS
64 Lesson 16: Subtract from multiples of 100 and from numbers with zero in the tens
place. ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015
hundreds tens ones
hundreds tens ones
hundreds tens ones
Lesson 16 Problem Set
Lesson To Froblem Get
1 700 500
d. 700 - 509 =
e. 900 - 626 =
2. Emily said that 400 - 247 is the same as 399 - 246. Write an explanation using
pictures, numbers, or words to prove Emily is correct.  A STORY OF UNITS
65 Lesson 16: Subtract from multiples of 100 and from numbers with zero in the tens
place. ©2015 Great Minds. eureka-math.org
G2-M5-SE-1.3.0-06.2015 hundreds tens ones
hundreds tens ones
Lesson 16 Problem Set

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N	lai	$\mathbf{m}$	ρ	П	1	_

Name Date
1. Solve vertically or using mental math. Draw chips on the place value chart and
unbundle, if needed.
a. 206 - 89 =
b. 509 - 371 =
c. 607 - 288 =
A STORY OF UNITS
66 Lesson 16: Subtract from multiples of 100 and from numbers with zero in the tens
place. ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015
hundreds tens ones
hundreds tens ones
hundreds tens ones
Lesson 16 Homework
d. 800 - 608 =
e. 900 - 572 =
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.  A STORY OF UNITS
67 Lesson 16: Subtract from multiples of 100 and from numbers with zero in the tens
place. ©2015 Great Minds. eureka-math.org G2-M5-SE-1.3.0-06.2015
hundreds tens ones
hundreds tens ones
Lesson 16 Homework
Lesson 17 Problem Set
hundreds tens ones
hundreds tens ones
hundreds tens ones
A STORY OF UNITS
Name Date
1. Solve vertically or using mental math. Draw chips on the place value chart and
unbundle, if needed.
a. 200 - 113 =
b. 400 - 247 =
c. 700 - 428 =

**68** Lesson 17: Subtract from multiples of 100 and from numbers with zero in the tens place.

G2-M5-SE-1.3.0-06.2015

### **Lesson** a story of units

17	Pr	ob	lem	Set
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d. 800 - 606 = hundreds tens ones e. 901 - 404 = hundreds tens ones

2. Solve 600 - 367. Then, check your work using addition.

Solution: Check:

**69** Lesson 17: Subtract from multiples of 100 and from numbers with zero in the tens

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## **Lesson 17 Homework**

hundreds tens ones

hundreds tens ones

hundreds tens ones

A STORY OF UNITS

Name Date

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

a. 200 - 123 = \_\_\_\_\_

b. 400 - 219 =

c. 700 - 542 =

70 Lesson 17: Subtract from multiples of 100 and from numbers with zero in the tens

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## **Lesson 17 Homework**

hundreds tens ones

A STORY OF UNITS

hundreds tens ones <sub>d.</sub> 800 - 409 = \_\_\_\_\_

e. 905 - 606 =

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

Solution: Check:

71 Lesson 17: Subtract from multiples of 100 and from numbers with zero in the tens

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A STORY OF UNITS

#### Name Date

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

- a. 300 247 b. 600 465
- 2. Solve vertically, and draw a place value chart and chips. Rename in one step.
- a. 507 359 b. 708 529
- 3. Choose a strategy to solve, and explain why you chose that strategy.
- a. 600 437 Explanation:
- 72 Lesson 18: Apply and explain alternate methods for subtracting from multiples of

100 and from numbers with zero in the tens place.

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## **Lesson 18 Problem Set**

A STORY OF UNITS

- b. 808 597 Explanation:
- 4. ro e the st ent's strate sol in oth ro lems to chec that their solutions

are the same. lain to o r artner h this a or s

- 5. Use the simplifying strategy from Problem 4 to solve the following two problems.
- a. 600 547 b. 700 513
- 73 Lesson 18: Apply and explain alternate methods for subtracting from multiples of

100 and from numbers with zero in the tens place.

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#### Lesson 18 Problem Set

#### A STORY OF UNITS

#### 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:
- 74 Lesson 18: Apply and explain alternate methods for subtracting from multiples of

100 and from numbers with zero in the tens place.

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## **Lesson 18 Homework**

A STORY OF UNITS

- 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:

75 Lesson 18: Apply and explain alternate methods for subtracting from multiples of

100 and from numbers with zero in the tens place.

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## Lesson 18 Homework

#### Name Date

- 1. Explain how the two strategies to solve 500 211 are related.
- a. b.

A STORY OF UNITS

**76** Lesson 19: Choose and explain solution strategies and record with a written

addition or subtraction method.

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## **Lesson 19 Problem Set**

A STORY OF UNITS

2. Solve and explai	n why you chose that strategy.
a. 220 + 390 =	Explanation:
b. 547 - 350 =	Explanation:
c. 464 + 146 =	Explanation:
d. 600 - 389 =	Explanation:
77 Lesson 19: Choose ar	d explain solution strategies and record with a writter
addition or subtraction method	od.

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# **Lesson 19 Problem Set**

A STORY OF UNITS

Name [	Date
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1.	Solve	and	explain	why you chose that strategy.
a.	340 +	250	=	_ Explanation:
b.	490 +	350	=	_ Explanation:

78 Lesson 19: Choose and explain solution strategies and record with a written

addition or subtraction method.

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## **Lesson 19 Homework**

A STORY OF UNITS

e. 700 - 456 = E	xplanation:
f. 904 - 395 = E	Explanation:
79 Lesson 19: Choose and exp	lain solution strategies and record with a written
addition or subtraction method.	
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**Lesson 19 Homework**