Name:	answer Ree	Date:	<u>></u> *
	/		9.4

3.1 Solving Problems by Estimating Page 1 Problems

Student Book pages 68-69

GOAL

Estimate sums of 2-digit numbers to solve problems.

Problem

Lang wrote a story.

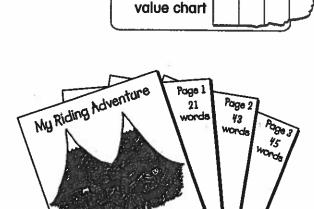
His story has 3 pages.

- Page 1 has 21 words.
- Page 2 has 43 words.
- Page 3 has 45 words.



Did Lang write more than 100 words?

Use base ten blocks to show the number of words on each page.

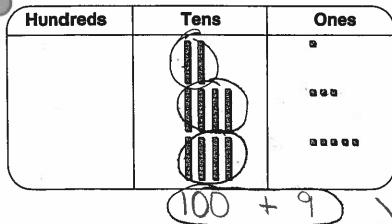


You will need

base ten

blocks

a place



Step 1: Count the tens.

How many tens are there? 10 tens is

20 Front +48 End 45 45 45 50 11.0

100 is between 100 and 110

100 ectimate

LN	lame:			Date:	50 %	
3.1 S	olving Proble	ms by Estimat	ing Page	2		
Step 2 than 1	2: Does Lang nee	d to count the ones	to know it	he has mor	estrate	8
I		en I a			tens	100
Did L.o	ang write more tha	in 100 words?	<u>S.</u>			
Refle	cting		9:00	-1.5000000000000000000000000000000000000	check	
Jodi's Page	story is 2 pages l 1 has 42 words. 2 has 65 words.	$\frac{+60}{100}$	ver 100	-	142 105 107	
How c	can Jodi find out if Per Can Vocase 10 40 see	she wrote more that	a nu	nds? More.	u tens	
Pagel	Tens	Ones		42	40 45	
Boje 2	111			65	60	= 2 }
	100 WG	ords+7=1	07	40	T 70=	3
Copyright (© 2008 by Nelson Education Ltd			Learning BLM 3.1:	Solving Problems by Estimating	77

C&P Name:	Date:	
-----------	-------	--

3.1 Solving Problems by Estimating Page 1

Student Book pages 68-69

GOAL

Estimate sums of 3-digit numbers to solve problems.

Checking

1. Maya wrote a story.

The first page had 275 words.

The second page had 250 words.

Does her story have more than 500 words?

Step 1: Circle the kind of answer you need:

exact

estimate

How do you know?

not exact-could be over too.

Step 2: Model 275 and 250 with base ten blocks.

Draw your models in the place value chart.

Number	Hundreds	Tens	Ones
275			, מממממ
250		亚岛动物 鱼	2)
+			**

Did Maya write more than 500 words? _

How do you know?

I add 275 plus 250 I get 525 which is more than 500

 base ten blocks



• a place value chart

	Thempsonia	Photographs	Terro	China
1				9
				_
- 1				1

C&P Name:	(3)	Date:	
-----------	-----	-------	--

3.1 Solving Problems by Estimating Page 2

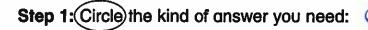
Practising

4. Your school has \$800 to spend on a computer and a printer.

The computer costs \$575.

The printer costs \$275.

Does your school have enough money?



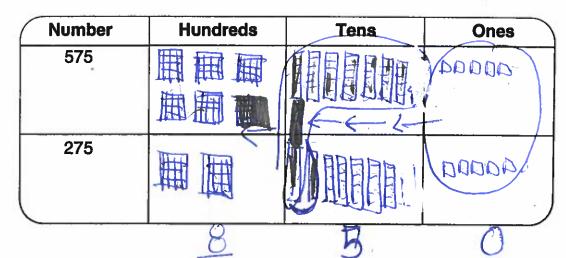


estimate

Step 2: Estimate 575 + 275.

Model the numbers using base ten blocks.

Draw your models.



Does your school have enough money?

How	do	you	know?	

are





2			is, A	
			N.	
	Cha	den	3) F	
	es es	SO	למ	

Name:	Date:	
-------	-------	--

Solving Problems by Estimating

GOAL

Estimate sums of 3-digit numbers to solve problems.

1. Use mental math to calculate the first sum. Use that sum to estimate the next sum.

a)
$$300 + 100 = 400$$
, so $298 + 105 = about 400$

b)
$$200 + 300 = 500$$
 so $202 + 298 = about 500 $\checkmark$$

c)
$$100 + 50 = 150$$
, so $96 + 53 = about 150$

d)
$$150 + 300 = 450$$
 so $161 + 288 = about 450$

2. Estimate each sum. Show your work.

a)
$$249 + 199$$
 is about $250 + 200 = 450$ $260 + 200 = 460$

b)
$$96 + 402$$
 is about $100 + 400 = 500$

c)
$$353 + 47$$
 is about $350 + 50 = 400$

d)
$$208 + 297$$
 is about $200 + 300 = 500$

3. Cole's father saved \$600 for furniture. He wants to buy a rug for \$277 and a lamp for \$303. Does he have enough money? Show your work.

4. Kate made 200 brownies. She needs 145 brownies for a bake sale, and she needs 48 brownies for her class at school. Did she make enough brownies?

ADDITION AND SUBTRAC

Adding Mentally



Goal

Use mental math strategies to add 2-digit numbers.

1. Move counters to make the addition easier.

THEIL WITE	ile aliswer.	
00000	+7=27	(<u>6</u>)(<u>6</u>) (<u>6</u>)
	00000	
18 + 9 =	20 +10 =	30-3

2. Use mental addition.

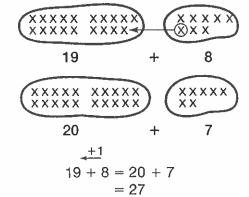
c)
$$(+1)$$
 $(+1)$

d)
$$18 + 32 = 20 + 30 = 50$$

e)
$$\frac{149 + 21}{49 + 21} = \frac{50 + 20}{10} = \frac{70}{10}$$

At-Home Help

Moving counters from one group to another can sometimes make adding easier.



- 3. Use mental math to solve these problems.
 - a) There are 38 students in Mrs. Jones's classroom 40 + 20 = 60 + 1 and 23 students in Mr. Singh's classroom.

 How many students are there altogether?
 - b) Payden has 48 cents and Jill has 22 cents. 50 + 20 = 70How much money do they have altogether? 70

 - d) There are 37 cans on one shelf and 43 on another. 40 + 40 = 80How many cans are there altogether?
 - e) There are 28 large paper clips and 38 small paper clips. 30 + 40 = 76 4

 How many paper clips are there altogether?

Rounding Num	nbers	Name			
ound 473 to th	e nearest 10.		012	34	5678
- 1.1.1.1.1	473	<u></u>	round	down	round
460	470	480	490	500	510
Thin!	k: the closest mu	ultiples of 10) are 470 a	nd URO	
	473 is closer t		ale in Oe	uid (OV).	
	473 rounded t	o the neare:	st 10 is 470).	
Control of the Contro					
Use the number lin	IRS TO COMBIATA	the easters			
		the senten	o > ho	hen a num alfway bet	ween 2
Round 6350 to the		the senten	o > ho	hen a num alfway bet ultiples, ro	ween 2
Round 6350 to the	nearest 100.		o h	alfway bet	ween 2
Round 6350 to the	nearest 100.	6300	6350 6360	alfway bet ultiples, ro	ween 2
Round 6350 to the 6000 616 Think: the closest	nearest 100. 6200 multiples of 100	6300 are 6 30	6350 6350 2and 64	alfway bet ultiples, ro	ween 2 und up.
Think: the closest	nearest 100. 6200 multiples of 100 etween 6300	6300 are 6 30	6350 6350 2and 64	alfway bet ultiples, ro	ween 2 und up.
Round 6350 to the 6000 616 Think: the closest 6350 is halfway be 6350 rounded to t	nearest 100. 6200 multiples of 100 etween 6300 he nearest 100 is	6300 are 6 30	6350 6350 2and 64	alfway bet ultiples, ro	ween 2 und up.
Round 6350 to the 6000 616 Think: the closest 6350 is halfway be	nearest 100. 6200 multiples of 100 etween 6300 he nearest 100 is	6300 are 6 30	6350 6350 2and 64	alfway bet ultiples, ro	ween 2 und up.
Round 6350 to the 6000 616 Think: the closest 6350 is halfway be 6350 rounded to the	nearest 100. 6200 multiples of 100 etween 6300 he nearest 100 is	6300 are 6 30	6350 6350 2and 64	alfway bet ultiples, ro	ween 2 und up.
Round 6350 to the 6000 616 Think: the closest 6350 is halfway be 6350 rounded to the	nearest 100. 6200 multiples of 100 etween 6300 he nearest 100 is	6300 are 6 30	6350 640 2 and 64	alfway bet ultiples, ro	ween 2 und up.
Round 6350 to the 6000 61 Think: the closest 6350 is halfway be 6350 rounded to the Round 87 692 to the 85 000 86 0	nearest 100. 6200 multiples of 100 etween 6300 he nearest 100 is e nearest 1000.	6300 are 6 30 and 640 6400 87 692	6350 640 2 and 64	alfway bet ultiples, ro	6500
Round 6350 to the 6000 616 Think: the closest 6350 is halfway be 6350 rounded to the Round 87 692 to the	nearest 100. 6200 multiples of 100 etween 6300 he nearest 100 is e nearest 1000. 87 000 multiples of 1000	6300 are 6 30 and 640 6400 87 692	6350 640 2 and 64	alfway bet ultiples, ro	6500

Multiples of	10,	100,	and
1000			

Name -

Count by 10. Write the multiples of 10 between 20 and 130.

A multiple of 10 is a number whose last digit is 0.

30, 40, 50, 60, 70, 80, 90, 100, 110, 120

Complete.

1. Count by 100. Write the multiples of 100 between 600 and 1500.

A multiple of 100 is a number whose last 2 digits are 0.

700 800 900 1000 100 1200, 1300 1400

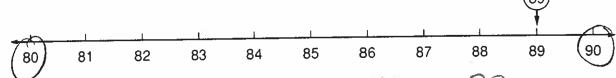
Count by 1000. Write the multiples of 1000 between 53 000 and 59 000. A multiple of 1000 is a number whose last 3 digits are 0.

54 000,55 000,56 000,57000 58 000

Use the number lines to complete the sentences.

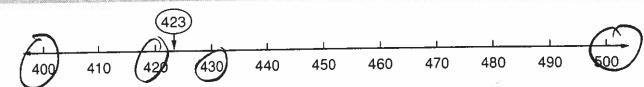
3.

4.



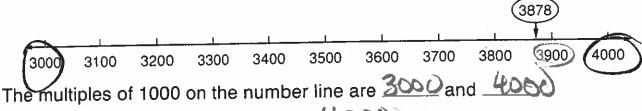
The multiples of 10 on the number line are 20 and 90.

The multiple of 10 closer to 89 is 90.



The multiples of 100 on the number line are 400 and 500.

The multiple of 100 closer to 423 is



The multiple of 1000 closer to 3878 is 4000

5.

Name: Date:		
-------------	--	--

Student Book pages 70-72



Estimate sums in different ways.

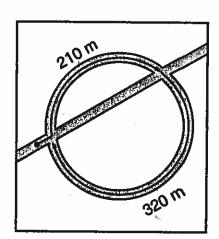
Problem

Aneela plans to run the route shown at the right.



About how far will Aneela run?

Use two ways to estimate.



Estimate by adding the hundreds:

Write the numbers in the place value chart.

The first one is done for you.

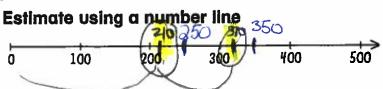
		Front +	end +300
Number	Hundreds	Tens	Ones 500
210	2	1 1	0
320	311	2 11	0
	+		

Circle the hundreds.

Add the circled hundreds.

Aneela will run about 500

Name: Date:	
-------------	--



Step 1: Find 210 on the number line.

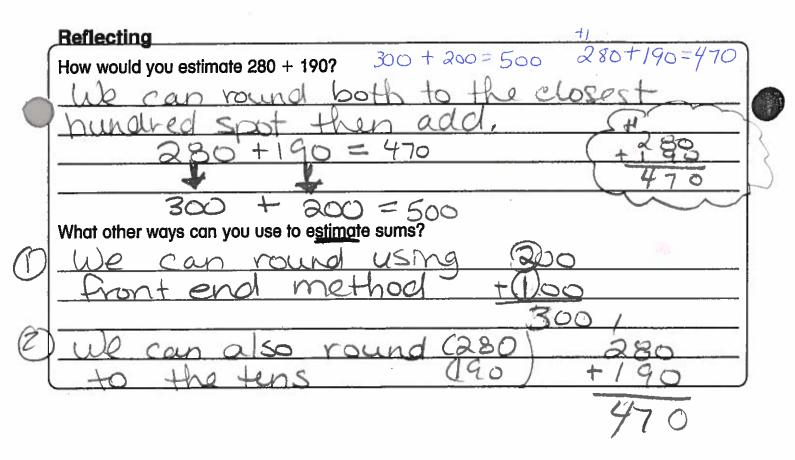
200 is the closer hundred.

Step 2: 310 is close to 300.

200 +300=500

Start at 200 and jump 300 m.

Aneela will run about _____ m.



C&P Name: Dar	ite:
---------------	------

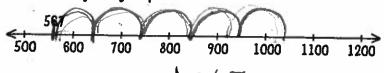


Practising

2. Estimate.

Add the closer hundreds using the number line.

Record all your jumps.



567 + 513 is about 106.7



4. The chart shows the number of people who went to a 3-day folk festival. Estimate the total attendance.

Day	Attendance) B.
Thursday	(B29 8)	900
Friday	1799 1000	2000
Saturday	2375	-2000



Circle the closer hundreds.

800 899

900

1700

1029

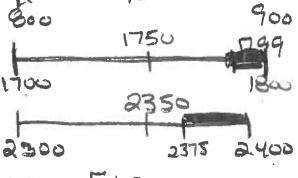
1800

2300

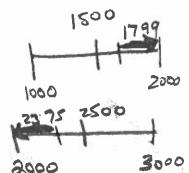
2375

2400

Add the circled numbers.



850



About how many people attended the festival? 5000

O C D Alemai	Date:	5. 5	
C&P Name:			100

Student Book pages 70-72

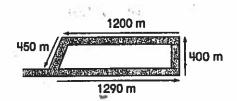


Estimate sums in different ways.

Checking

1. Kate plans to run the route shown at the right.

Estimate how far she will run by adding the thousands.



Write the numbers in the place value chart. The first one is done for you.

Thouşands	Hundreds	Tens	Ones
0+1	4/3	0%	°, 0
1 1	2	9	Ö
1 7	4	5	0
1	22/	0	O
	Thousands	Thousands Hundreds 0+1 +14 14 14	Thousands Hundreds Tens OH 1 4 0 OH 2 9 OH 5

Circle the thousands.

Add the circled thousands.

1000 + 1000 = 2000

agual 3340.

Kate will run about 2000 m.

Explain one other way you could estimate how for	ar Kate will run. Nundreds
with the 1000's	400
2000 + 1200= 3200	400
2000 + 1000 = 3000 - Copyright © 2008 by Nelson Education Ltd.	Cheffing & Praction BLM 3.2: Estimating Sums 79

SHEET STATE					
				13365	
565	的是为是				
	10414		4		
1		50	F-V"		100
4.4		THE L	12 - FL	(475)	4
	n		EVOLUCION		100
	- U		60 50r		•
Ī	() () () () () () () () () ()				
1	2 7 3		1200	January .	3
		CONTRACTOR OF THE PERSON NAMED IN			

Name:	 	_		Date:	
	 - 1	٨	•		· · · · · · · · · · · · · · · · · · ·

Estimating Sums



GOAL

Estimate sums in different ways.

- 1. Estimate each sum. Show your work.
 - a) 210 + 499 is about 200 + 500 = 100 00 210 + 500 = 110
 - **b)** 589 + 308 is about 908600 + 308 = 908 or 600 + 300 = 900
 - c) 1072 + 994 is about 1000 + 1000 = 2000
 - 4000 + 2000 = 6000

At-Home Help

Here are some ways to estimate sums.

- Use base ten blocks or counters to model the problem.
- Use a number line to model the problem.
- Estimate by adding the closer hundreds or thousands (e.g., 1130 is closer to 1000 than 2000)



- a) 510 + 203 + 696 is about 500 + 200 + 700 = 1400
- b) 1080 + 5098 + 2900 is about 1000 + 5000 + 3000 = 9000
- c) 929 + 1100 + 997 is about 9000 + 1000 + 1000 = 3000
- d) 2033 + 1002 + 1977 is about 2000 + 1000+ 2000 = 5000
- e) 3172 + 3030 + 2960 is about 3000 + 3000 + 3000 = 9000
- f) 1072 + 2908 + 3978 is about 1000 + 3000 + 4000 = 8000
- 3. Jade wants to collect 8000 pennies, or \$80. She has a jar with 1048 pennies, a jar with 2083 pennies, and a jar with 3992 pennies. Does Jade have enough pennies? How do you know?

1000 + 2000 + 4000 = 7000

Estimating Sums



Estimate sums by rounding.

1. Estimate. Show your rounded numbers.

a) 1867 + 913 is about equal to

2000 +1000= 3000

b) 3611 + 1489 is about equal to

4000 + 1500= 5500

c) 1156 + 2722 is about equal to

1000 + 3000 = 4000

d) 999 + 1999 is about equal to

1000 + 2000 = 3000

At-Home Help

You can use rounded numbers to estimate a sum (the answer when you add).

close to 4000

close to 1000

The sum is about 4000 + 1000 = 5000.

- 2. Estimate the answers to these problems. Show your rounded numbers.
 - a) Jack's mother drove 1245 km on Saturday and 985 km on Sunday. About how many kilometres did she drive on those 2 days?

1000 +1000= 2000

b) 4856 people live in one town. 3345 live in another town. About how many people live in the 2 towns?

5000 + 3000 = 8000

about 8000

3. Use rounded numbers to find whether \$5000 is enough to buy both items in each part. Check your answers using a calculator.

6 \$1648 a) \$4567

No not enough

\$1219 1500+ 4500= 6000 6\$2511

1200 + 2500= 3706 Yes, enough because

5000 > 3706.

Try These

Circle the best estimate. Explain how you estimated.

20+ 30 a) (2) + (33

possible estimates

70

20+30=50

b) 48 + 46

80

90

100

50 +50= 100

40+30=70

c) 37 + 25

50

60



2. Estimate each sum.

Show the numbers you used to estimate.

30 + 40= 70

b) 17 + 58 is about _

20 + 60 = 80

c) 29 + 36 is about _ 70 .

30 +40 = 71

3. Arya uses a 100 chart to add 27 + 28.

He adds 28 in parts by adding 20 and then adding 8.

To add 20, go down 2 rows.

To add 8, go forwards 8 or go down 1 row (that's + 10)

and then back 2 (that's -2).

Use the 100 chart to add.

Use a different colour for each addition.

シレナ 10 a) 22 + 11 = 300 24170

c) 24 + 69 =

b) 63 + 33 = 9

_	-	

21

51

61

12 13 14 15 16 17 18 19 20

22 23 24 25 26 27 28 29 30

46 47448

31 32 33 34 35 36 37 38 39

52 53 54 55 56 57 58 59

62 63 64 65 66 67 68 69

72 75 74 75 76 77

81 82 88 84 85 86 87

41 42 43 44 45

10

40

60

80

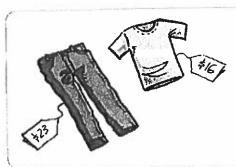
49

78 79

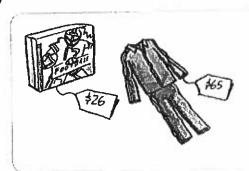
88 89

What is the total cost?

a)



b)



c)



Show 2 ways to complete each addition.

a) 48 + 7

b) 67 + 24

$$70+24-94$$
 $67+20=87$ $70+20=90$

eacher

Date: Jan 22

You will need

base ten

3.4 Adding from Left to Right Page 1

Student Book pages 74-76

GOAL

Solve addition problems by adding from left to right.

Problem

A forklift operator wants to lift 3 containers.

The forklift can safely lift up to 400 kg.

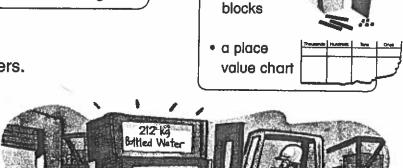


Can the forklift safely lift all 3 containers?

Use base ten blocks.

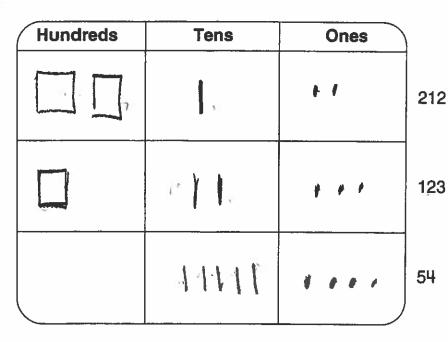
Step 1: Model each number with base ten blocks.

Draw your models.



Soup Cans

Juice Boxe



Name:	
-------	--

Date:

3.4 Adding from Left to Right Page 2

Step 2: Add the hundreds.

Step 3: Add the tens.

Step 4: Add the ones.

Step 5: Add the hundreds, tens, and ones.

Can the forklift safely lift all 3 containers?

How do you know?

Reflecting

Be cause 389< 400

How could you have predicted whether the forklift could safely lift all 3 containers?

3.4 Adding from Left to Right Page 1

Student Book pages 74-76



Solve addition problems by adding from left to right.

Checking

1. A forklift can lift 8000 kg safely.

The operator needs to lift 3 containers.

- Container 1 has a mass of 2455 kg.
- Container 2 has a mass of 849 kg.
- Container 3 has a mass of 4567 kg.

Can the 3 containers be lifted safely?



Step 1: Write the masses in the place value chart.

This Step has been done for you.

	Mass		Thousands	Hundreds	Tens	Ones	
7.0	2455		2	4	5	5	
[849		0	8	4	9-	
	4567	+	4	5	0	7	
add th	ousands		66	0	0	0	Th
add	hundreds.			17		0	Hu
ad	d tens				5	O	ter
	ld ones	+			2	1	on
add al	together		7	8	7		フ

Step 2: Add from left to right. Write the totals in the table.

The thousands have been done for you.



C&P Name:	Date:
3.4 Adding from Left to Right Page 2	55. SII
a) Can the forklift lift all 3 containers?	
How do you know? When we added it was 7871 Kg which	an exact amount on is less than 800
b) Did you estimate to solve the problem or did you yes, but our estimate using front end re	ate was too high
When we added the was more accu	rate it

Practising

6. Add from left to right.

a)

	1	2	5	9
+	0	6	1	8
	Ŋ.,		0	0
		0	0	0
			9	0
+,			1	7
		8	7	7

add the hundreds

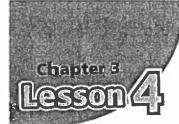
add the hundreds

tens
add the ones

add all together

b) 6 9 6 3 + 2 3 6 4 - 8 0 0 0 + 1 2 0 + 1

add the thousands add the hundreds add the tens add the ones



Adding from Left to Right

GOAL

Solve addition problems by adding from left to right.

1. Add from left to right. Show your work.

a)

	1	3	10	1
+	0	6	4	5
	1	B	0	0
		9	0	0
			5	0
+				6
		9	5	6

d)

	5	0	6	7
+	3	6	2	1
	8	0	0	0
		6	0	0
			6	9
1		_		8
	8	6	8	Z

b)

	2	4	1	5
+	3	2	2	0
	5	6	0	2
			3	0
+	_			b
	5	6	3	6

e)

	4	1	1	1
+	1	7	0	3
	5	0	0	O
		8	O	0
			1	0
+)) }	4
	5	3	15 ()	4

c)

	6	2	2	4
+	1	7	6	8
	7	0	0	0
		9	0	5
,			8	0
+			1	ھ
	7	9	9	2

f)

	1	1	4	3
+		2,	5	1
		4	0	2
	1	0	0	8
		7	0	0
			9	0
+				6
	1	7	9	h
			7	

At-Home Help

Follow these steps to add from left to right.

Step 1 Add the thousands.

Step 2 Add the hundreds.

Step 3 Add the tens.

Step 4 Add the ones.

4180

Step 5 Add them all together to calculate the sum.

For example:

Namaaa		 Date:	
Name:	 	 Dato:	•

Scaffolding for Lesson 4, Questions 3 & 6 Page 2

STUDENT BOOK PAGE 76

+

6. Calculate. Show your work. Some of the steps are done for you.

a) [
:		1	2	5	9	
	+		6	1	8	
		1	0	0	0	
:			8	0	0	
				6	0	

	6	9	6	3
+	2	3	6	4
	8	0	0	0
7/4	1	2	0	0
		1	2	0
+	1			7

d)	İ				
		1	5	6	7
		1	5	7	8
	+	2	5	6	7
	us de la company	4	0	0	0
		/	5	0	ð
			1	9	0
	+		+1	2	2
		2	7		2

3.5 Adding From Right to Left Page 1

Student Book pages 78-80

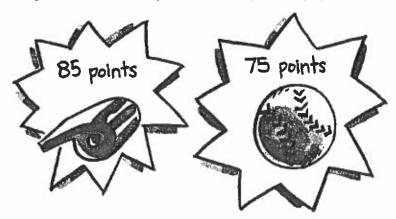
GOAL

Solve addition problems by adding from right to left.

Problem

Aneela's school collects food labels to get points.

They can trade the points for school equipment.



You will need • base ten blocks • a place value chart



How many points does Aneela's school need for the whistle and baseball?

Use base ten blocks.

Step 1: Model the numbers with base ten blocks.

Hundreds	Tens	Ones
	GREEFERS CHECKERS ENDRESSED CHECKERS ENDRESSED CHECKERS ENDRESSED CHECKERS ENDRESSED E	22222

Step 2: Add the ones.

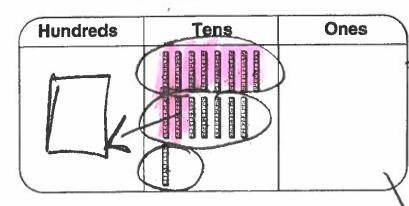
Name: Date:

8

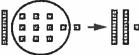
5 1

3.5 Adding From Right to Left Page 2

Step 3: Regroup the ones. Add a ten.



regroup Trade 10 smaller units for 1 larger unit, or 1 larger unit for 10 smaller units



Step 4: Add the tens.

Step 5: Regroup the tens. Add a hundred.

Hundreds	Tens	Ones
500.14.B	ENSERVED GRANNES GRANNES GRANNES GRANNES	

Step 6: Add the blocks.

Aneela's school needs 160 points.

Reflecting

How do you know when to regroup when you are adding from right to Jeft?

Rounding N	lumbers
------------	---------

Name

round 473 to the nearest 10.



510



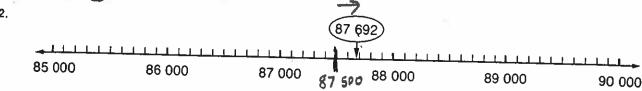
Think: the closest multiples of 10 are 470 and 480.

473 is closer to 470.

473 rounded to the nearest 10 is 470.

Use the number lines to complete the sentences. Round 6\\(\begin{aligned} 50 \) to the nearest 100. halfway between 2 multiples, round up (6350 6000 6200 6300 6500 Think: the closest multiples of 100 are 6300 and 6400 6350 is halfway between 6300 and 6400 6350 rounded to the nearest 100 is 6400

Round 87 692 to the nearest 1000.



Think: the closest multiples of 1000 are 87 000 and 88 000 87 692 is closer to _ 💆 🗸 🔾 🔾

87 692 rounded to the nearest 1000 is ______ 8000

Round the numbers. Use the number lines above if you wish.

497 to the nearest 10 500 4. 6920 to the nearest 100 6

5. 6(1)80 to the nearest 100 6. 89 500 to the nearest 1000 90 000

opyright © 1988 Addison-Wesley Publishers Ltd.

	Multiples of 10, 100, and 1000	Name	
	Count by 10. Write the multiples of 10 between 20 and 130.	A multiple of 10 is a no whose last digit is 0.	4
	20,30. 40. 50. 60. 70, 80. 90. 10	0.110.120,139,140,150	
	Complete. 1. Count by 100. Write the multiples of 100 between 600 and 1500. 700,800,900,1000,1100	A multiple of 100 is a whose last 2 digits on 1200 1300. 1400, 1500	re 0.
	2. Count by 1000. Write the multiples of 1000 between 53 000 and 59 000 54 000,56 000.		
	Use the number lines to complete th	e sentences. 9 9 89	(
	The multiples of 10 on the number line. The multiple of 10 closer to 89 is	e are <u>\$0</u> and <u>90</u> .	(90)
Đ.	400	450 460 470 480 490	(500)
on-Westey Publishers Ltd	The multiples of 100 on the number li	ine are <u>400</u> and <u>500</u>	
on-West	5. 3978	3878	

Conviosi & 1988 Addison-Wesley Public

4000

3900

3700

3600

3800

3000)

3200

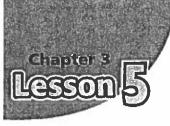
3100

3300

The multiple of 1000 closer to 3878 is 4000

3400

The multiples of 1000 on the number line are 5000 and _



Adding from Right to Left

GOAL

Solve addition problems by adding from right to left.

1. Add from right to left. Show your work.

a)

			a.,	
	1	2	2	5
+		4	3	1
		6	5	6

c)

]	,		,	
7	4	· G	7.	2
+	3	7	2	4
	1	1.	9	6

b)

	Ħ	+1		
	1	7	6	0
+	1	2	4	8
	3	0	0	8

d)

	4		H	
	8	6	4	3
+	,	6	4	8
	9	2	9	1

2. Jade's mother saved \$3966 this year. Next year, she plans to save \$2992. Will she have enough money to buy a car that costs

+3966 +2992 \$6958

3. In September, Joshua's website had 227 visits. In October, it had 2143 visits. In November, it had 2324 visits. Has the number of visitors

Short

At-Home Help

You can **regroup** by trading 10 smaller units for 1 larger unit, or 1 larger unit for 10 smaller units. Follow these steps to add from right to left.

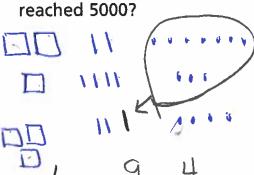
Step 1 Add the ones. If the answer is 10 or more, regroup.

Step 2 Add the tens. If the answer is 100 or more, regroup.

Step 3 Add the hundreds. If the answer is 1000 or more, regroup.

Step 4 Add the thousands. For example:





+2324 4691

Adding 4-Digit Numbers



Goal

Solve addition problems using regrouping.

1. Complete the addition by writing in the spaces in the place value chart.

a)	Thousands	Hundreds	Tens	Ones
	+1	+1	+1	
	2	7	3	2
	2	8	6	9
	5	6	0	1

b)	Thousands	Hundreds	Tens	Ones
	+1		41	
	2	7	3	8
	6	4	3	9
	9	1	7	7

At-Home Help

You can add two 4-digit numbers by regrouping.

2539 + 1866

Thousands	Hundreds	Tens	Ones
1	1	1	
2	5	3	9
8 1	8	6	6
4	4	0	5

The answer seems reasonable because 3000 + 2000 = 5000 and the answer is close to 5000.

2. Estimate the sum. Then add.

a)
$$^{+3988}$$
 $^{+000}$ b) $^{+3254}$ $^{-3000}$ c) $^{+310}$ $^{+000}$ $^{+3859}$ $^{+4000}$ $^{-4910}$ $^{-4900}$ $^{-4900}$ $^{-4900}$ $^{-4900}$ $^{-4900}$ $^{-4900}$ $^{-4900}$ $^{-4900}$ $^{-4900}$ $^{-4900}$ $^{-4900}$ $^{-4900}$ $^{-4900}$ $^{-4900}$ $^{-4900}$ $^{-4900}$

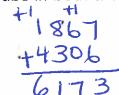
- 3. Estimate. Then solve.
 - a) There are 3456 Girl Guides in one area and 1672 in another area. What is the total number of Girl Guides in both areas?

5128 at both tables areas

b) There are 1867 Wolf Cubs in one area and 4306 in another area.

5 1 2
What is the total humber of Wolf Cubs in both areas?





6173 of off Clubs.
Addition and Subtraction 33