Lesson 8.1

Reteach

$$2+4=4+2$$

$$\downarrow \qquad \downarrow$$

$$6=6$$

Commutative Property of Addition

Changing the order of addends does not change the sum.

$$(3+4)+2 = 4 + (3+2)$$

$$\downarrow \qquad \qquad \downarrow$$

$$7+2 = 4+5$$

$$\downarrow \qquad \qquad \downarrow$$

$$9 = 9$$

Associative Property of Addition

Changing the grouping of addends does not change the sum.

$$5 + 0 = 5$$

$$\downarrow$$

$$5 = 5$$

Addition Property of Zero

The sum of any number and 0 is that number.

Identify the property.

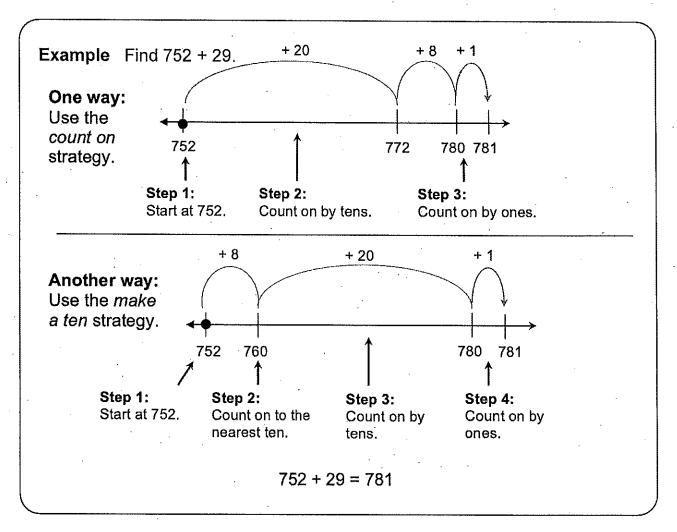
2.
$$(51 + 42) + 31 = 51 + (42 + 31)$$

3.
$$(43 + 75) + 14 = 43 + (75 + 14)$$

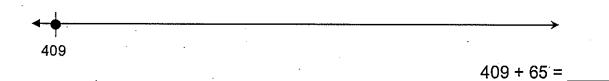
$$4.89 + 43 = 43 + 89$$

Lesson **8.2**

Reteach



1. Use the count on strategy to find 409 + 65.



2. Use the make a ten strategy to find 87 + 526.



Lesson 8.3

Reteach

Example Find 152 + 483.

Use compensation to add.

Think: How can I make a ten?

So, 152 + 438 = 590.

Example Find 387 + 316.

Make a ten and count on to add.

Think: What is the next ten after 387?

$$387 + 316 = 387 + (3 + 300 + 10 + 3)$$

$$= 390 + 300 + 10 + 3$$

$$= 690 + 10 + 3$$

$$= 700 + 3$$

$$= 703$$
So, 387 + 316 = 703.

1. Use compensation to find 246 + 489.

So, 246 + 489 = _____

2. Make a ten and count on to find 167 + 454.

Name _____

Lesson 8.4

Reteach

Example Find 309 + 538.

Step 1: Write each number in expanded form.

Step 2: Find the partial sums.

Step 3: Add the partial sums.

So, 309 + 538 = 847.

847

Use partial sums to add.

Name _____

Lesson 8.5

Reteach

Example Find 524 + 182. Check whether your answer is reasonable.

$$524 \longrightarrow 525$$

$$182 \longrightarrow + 175$$

700

The sum is about 700.

Step 1: Use compatible numbers to estimate the sum.

Remember you can also round addends to the nearest ten or hundred to estimate sums.

Step 2: Find the sum. Add the ones, then the tens, then the hundreds.



706 is close to 700, so the answer is reasonable.

Step 3: Check.

Find the sum. Check whether your answer is reasonable.

1. Estimate: _____

2. Estimate:

3. Estimate:

4. Estimate: _____

5. Estimate: _____

6. Estimate:

;	569					
+	43					

Lesson 8.6

Reteach

Example Find 209 + 127 + 253. Check whether your answer is reasonable.

Step 1: Estimate.
Round each addend to the nearest ten.

$$\begin{array}{cccc}
209 & \longrightarrow & 210 \\
127 & \longrightarrow & 130 \\
+ 253 & \longrightarrow & 250
\end{array}$$

$$\begin{array}{ccccc}
\hline
& & & & & \\
\hline
& & & \\$$

Step 2: Find the sum.
Add the ones, then the tens, then the hundreds.

Step 3: Check.

589 is close to 590, so the answer is reasonable.

Find the sum. Check whether your answer is reasonable.

1. Estimate:

2. Estimate: _____

3. Estimate:

67	
332	
+261	

4. Estimate: _____

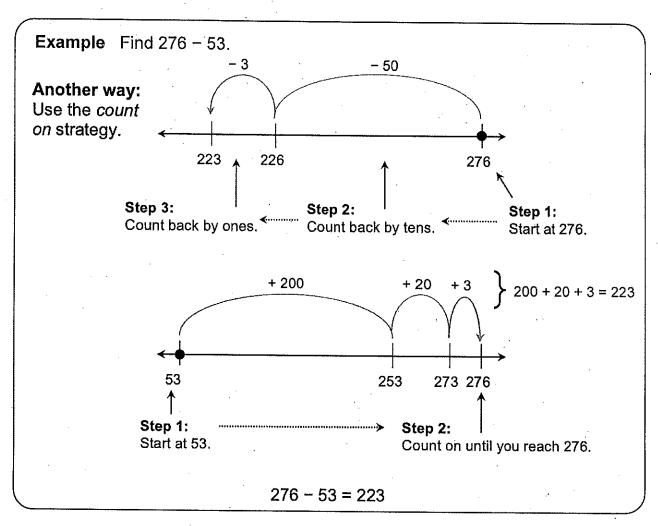
5. Estimate:

6. Estimate

• .	
224	
415	
189	
+ 137	

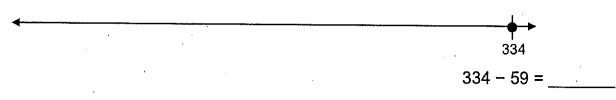
Lesson 8.7

Reteach

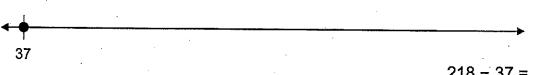


Find the sum. Check whether your answer is reasonable.

1. Estimate:



2. Estimate:



Name

Lesson

Reteach

Example Find 374 – 137.

One way:

Use compensation to change both numbers. 374

+. 3 377

- 137 + 3 - 140



Remember to change both numbers by the same amount. 237

So, 374 - 137 = 237.

Another way:

Use compensation to change one

137 number.

374

+ 3 140

234

374

You subtracted 3 more than

137, so you must add 3 to the answer.

234 3

237

Think: How can you change one number to make the subtraction easier?

So, 374 - 137 = 237.

Use compensation to find the difference.

462

So, 462 – 227 =

2. 591

- 175 - 180

So, 591 - 175 = .

3. 683

683 300

8 3

3

383

So, 683 - 296 =

Name

Lesson

Reteach

Example Find 592 – 274. Check whether your answer is reasonable.

$$\begin{array}{ccc}
592 & \longrightarrow & 590 \\
-274 & \longrightarrow & -270
\end{array}$$

Remember to regroup if there are not enough ones or tens to subtract.

320

The difference is about 320.

Regroup the tens.

Subtract.

318 is close to 320, so the answer is reasonable.

Step 1: Estimate. Round each number to the nearest ten.

Step 2: Find the difference. Subtract the ones, then the tens, then the hundreds.

Step 3: Check.

Find the difference. Check whether your answer is reasonable.

1. Estimate: ____

815 - 206

2. Estimate:

734 - 549

3. Estimate:

581 - 168

4. Estimate:

692 - 314 5. Estimate:

954 - 185

6. Estimate

433 67

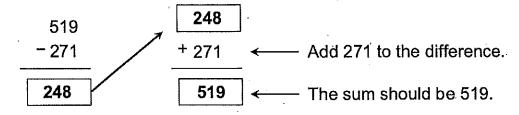
Name_____

Lesson 8.10

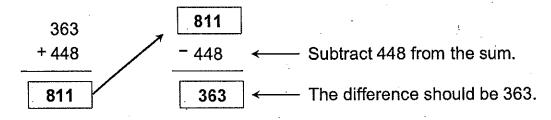
Reteach

Inverse operations are operations that "undo" each other. Multiplication and division are inverse operations.

Example Find 519 – 271. Use the inverse operation to check.



Example Find 363 + 448. Use the inverse operation to check.



Find the sum or difference. Use the inverse operation to check.

784 -338 + 338 3. 193 + 641 932 - 565

Lesson 8.11

Reteach

Example A chef makes 539 salads. She sells 272 of them. Then she makes 136 more. How many salads does she have now?

1. Understand the Problem

What do you know?

Hint: Look for the numbers in the problem.

- The chef has 539 salads.
- She sells 272 of them.
- She makes 136 more.

What do you need to find?

Hint: Look for the question in the problem.

 How many salads does she have now?

2. Make a Plan

How will you solve?

- Subtract 272 from 539 to find out how many salads she has left after she sells some.
- Then add 136 to the difference to find out how many she has now.

3. Solve

Draw a part-part-whole model and write an equation. Use a letter to represent the unknown number.

$$s$$
 is the $\frac{539}{\text{unknown}}$ $\frac{-272}{267}$ $s = 267$

$$n ext{ is the} ext{ unknown} ext{ } ext{$$

The chef has 403 salads now.

1. The chef sells 313 salads and makes 68 more. How many salads does she have now?