Name $\qquad$

## Lesson <br> 8.1 <br> Reteach



## Commutative Property of Addition

Changing the order of addends does not change the sum.


## Associative Property of Addition

Changing the grouping of addends does not change the sum.


## Addition Property of Zero

The sum of any number and 0 is that number.

Identify the property.

1. $0+13=13$
2. $(51+42)+31=51+(42+31)$
3. $(43+75)+14=43+(75+14)$
4. $89+43=43+89$
$\qquad$

## Lesson <br> 8.2 <br> Reteach



Another way: Use the make a ten strategy.


Step 1:
Start at 752.

Step 2:
Count on to the nearest ten.

Step 3:
Count on by tens.

Step 4:
Count on by ones.

$$
752+29=781
$$

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


$$
409+65=
$$

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


Name

## Lesson <br> 8.3 <br> 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 ?
$387+\underline{316}=387+(3+300+10+3)$

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

$$
=690+10+3
$$

$$
=700+3
$$

$=703$

So, $387+316=703$.

1. Use compensation to find $246+489$.


So, $246+489=$ $\qquad$ .
2. Make a ten and count on to find $167+454$.
$167+454=287+(3+400+50+1)$
$=\ldots \quad+400+50+1$
$=\ldots+50+1$
$=\ldots+1$
$=$ $\qquad$

Name $\qquad$

## Lesson

8.4

## Reteach

Example Find $309+538$.


$$
\text { So, } 309+538=847 .
$$

Use partial sums to add.

$\qquad$ .

$\qquad$
$\qquad$ $+$ $\qquad$ $=$ $\qquad$ So, $417+334=$ $\qquad$ .
3. $\begin{array}{r}298 \\ +\quad 229 \\ \hline\end{array}$
4. 778
$+123$
$\qquad$

## Lesson <br> 8.5 <br> Reteach

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


Find the sum. Check whether your answer is reasonable.

| $\begin{aligned} & \text { 1. Estimate: } \\ & 536 \\ & +262 \end{aligned}$ | 2. Estimate: $\begin{array}{r} 187 \\ +\quad 493 \end{array}$ | 3. Estimate: $\begin{array}{r} 644 \\ +\quad 319 \end{array}$ |
| :---: | :---: | :---: |
| 4. Estimate: | 5. Estimate: | 6. Estimate: |
| 173 | 407 | 569 |
| + 154 | + 454 | + 43 |

$\qquad$

## Lesson <br> 8.6 <br> Reteach

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

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

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.

$\qquad$

## Lesson <br> 8.7 <br> Reteach

Example Find 276-53.


$$
276-53=223
$$

Find the sum. Check whether your answer is reasonable.

1. Estimate:


$$
334-59=
$$

$\qquad$
2. Estimate:

$\qquad$

## Lesson <br> 8.8 <br> Reteach

Example Find 374-137.

One way:
Use compensation to change both numbers.
$374+3$
$-137+3$

So, 374-137 = 237 .


237


Use compensation to find the difference.

1. $462+$ $\qquad$ $\longrightarrow 465$

- 227 $\qquad$- 220
$\square$
So, 462 - $227=$ $\qquad$ .


So, 591 - 175 = $\qquad$ .
$\begin{aligned} & \text { 3. } 683 \\ & -296\end{aligned}+$$\longrightarrow \begin{array}{r}683 \\ -300 \\ 383\end{array}$

Name $\qquad$

## Lesson <br> 8.9 <br> Reteach

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


318 is close to 320 , so the answer is reasonable.
\} Step 3: Check.

Find the difference. Check whether your answer is reasonable.

9. Your friend uses an inverse operation to check her answer. Is your friend correct? Explain.

| 238 | 238 |
| ---: | ---: | ---: |
| +144 | -144 |
| 382 | 94 |

10. Which does not belong with the other three?

$527-371=156$
$527-156=371$

11. A winter parka costs $\$ 267$. A customer pays $\$ 159$ for the winter parka after using a gift card. How much money is the gift card worth?
12. A large suitcase costs $\$ 482$. A customer pays $\$ 248$ for the suitcase after using a gift card. How much money is the gift card worth?
13. A train travels from Providence to Washington. On the way back, the train stops in New York City. How many miles has the train traveled? How many miles does the train have left to travel?

$\qquad$

## Lesson <br> 8.11 <br> 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.
Step 1:
539

$539-272=s$
Step 2:


| $n$ is the <br> unknown <br> sum. | 267 <br> +136 |
| :--- | :--- |
|  |  |

The chef has 403 salads now.

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