

School-Home Letter

Dear Family,

My class started Chapter 4 this week. In this chapter, I will learn how to solve addition problems with 2-digit addends using different strategies.

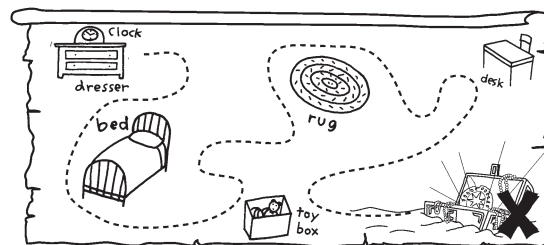
Love, _____

Vocabulary

regroup To make a group of 10 ones and trade it for a ten

Home Activity

Pretend you are going on a treasure hunt. Using small pieces of paper, make a path in a small area. Each piece of paper should have an addition problem on it for your child to solve. At the end of the path, place a treasure of some kind.

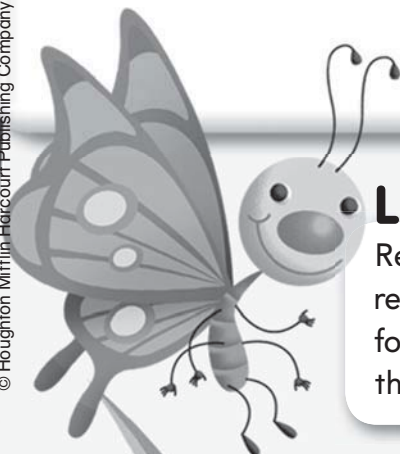


Literature

Reading math stories reinforces ideas. Look for these books at the library.

A Collection for Kate
by Barbara deRubertis.
Kane Press, 1999.

Mission: Addition
by Loreen Leedy.
Holiday House,
1997.



Carta para la casa

Querida familia:

Mi clase comenzó el Capítulo 4 esta semana. En este capítulo, aprenderé a resolver problemas con sumandos de dos dígitos usando diferentes estrategias.

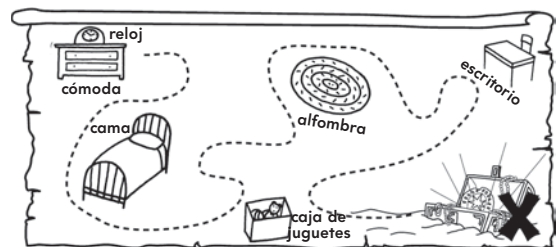
Con cariño, _____

Vocabulario

reagrupar formar un grupo de 10 unidades y cambiarlo por en una decena

Actividad para la casa

Jueguen a buscar un tesoro. Con pequeños trozos de papel, haga un camino en un espacio pequeño. Cada trozo de papel deberá tener un problema para que su hijo lo resuelva. Al final del camino, coloque algún tipo de tesoro.



Literatura

Leer cuentos de matemáticas refuerza los conceptos. Busque estos libros en la biblioteca.

A Collection for Kate
por Barbara deRubertis.
Kane Press, 1999.

Mission: Addition
por Loreen Leedy.
Holiday House, 1997.



Break Apart Ones to Add**COMMON CORE STANDARD—2.NBT.6**
*Use place value understanding and properties of operations to add and subtract.***Break apart ones to make a ten.**
Then add and write the sum.

1. $62 + 9 = \underline{\quad}$

2. $27 + 7 = \underline{\quad}$

3. $28 + 5 = \underline{\quad}$

4. $17 + 8 = \underline{\quad}$

5. $57 + 6 = \underline{\quad}$

6. $23 + 9 = \underline{\quad}$

7. $39 + 7 = \underline{\quad}$

8. $26 + 5 = \underline{\quad}$

9. $13 + 8 = \underline{\quad}$

10. $18 + 7 = \underline{\quad}$

11. $49 + 8 = \underline{\quad}$

12. $27 + 5 = \underline{\quad}$

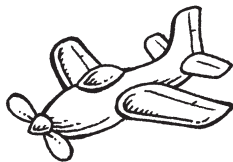
13. $39 + 4 = \underline{\quad}$

14. $18 + 8 = \underline{\quad}$

Problem Solving

Solve. Write or draw to explain.

15. Jimmy had 18 toy airplanes. His mother bought him 7 more toy airplanes. How many toy airplanes does he have now?



_____ toy airplanes

Lesson Check (2.NBT.6)

1. What is the sum?

$$26 + 7 = \underline{\quad}$$

2. What is the sum?

$$15 + 8 = \underline{\quad}$$

Spiral Review (2.OA.1, 2.OA.2, 2.NBT.3)

3. Hannah has 4 blue beads and 8 red beads. How many beads does Hannah have?

$$4 + 8 = \underline{\quad} \text{ beads}$$

4. Rick had 4 stickers. Then he earned 2 more. How many stickers does he have now?

$$4 + 2 = \underline{\quad} \text{ stickers}$$

5. What is the sum?

$$4 + 5 + 4 = \underline{\quad}$$

6. Write 281 using hundreds, tens, and ones.

 hundreds tens one

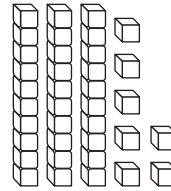
Use Compensation



COMMON CORE STANDARD—2.NBT.6
Use place value understanding and properties of operations to add and subtract.

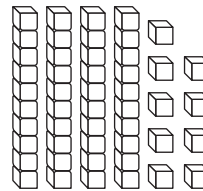
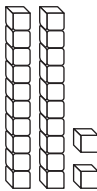
Show how to make one addend the next tens number. Complete the new addition sentence.

1. $15 + 37 = ?$



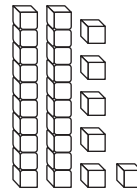
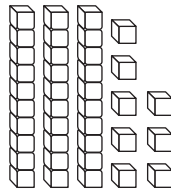
_____ + _____ = _____

2. $22 + 49 = ?$



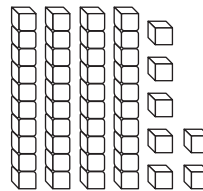
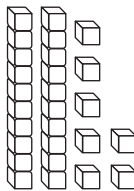
_____ + _____ = _____

3. $38 + 26 = ?$



_____ + _____ = _____

4. $27 + 47 = ?$



_____ + _____ = _____

Problem Solving 

Solve. Write or draw to explain.

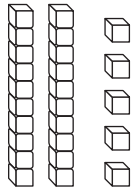
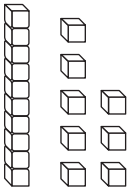
5. The oak tree at the school was 34 feet tall.
Then it grew 18 feet taller.
How tall is the oak tree now?

_____ feet tall

Lesson Check (2.NBT.6)

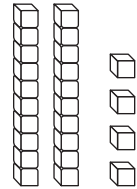
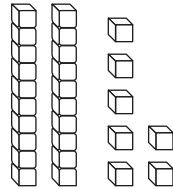
1. What is the sum?

$$18 + 25 = \underline{\quad}$$



2. What is the sum?

$$27 + 24 = \underline{\quad}$$



Spiral Review (2.OA.2, 2.OA.3)

3. Circle the even number.

27 14 11 5

4. Andrew sees 4 fish. Kim sees double that number of fish. How many fish does Kim see?

_____ fish

5. Write a related subtraction fact for $7 + 6 = 13$.

6. What is the sum?

$$2 + 8 = \underline{\quad}$$

Name _____

Break Apart Addends as Tens and Ones



COMMON CORE STANDARD—2.NBT.6
Use place value understanding and properties of operations to add and subtract.

Break apart the addends to find the sum.

$$\begin{array}{r}
 1. \quad 18 \rightarrow \quad \underline{\quad} + \underline{\quad} \\
 + 21 \rightarrow \quad \underline{\quad} + \underline{\quad} \\
 \hline
 \quad \quad \quad \underline{\quad} + \underline{\quad} = \underline{\quad}
 \end{array}$$



$$\begin{array}{r}
 2. \quad 33 \rightarrow \quad \underline{\quad} + \underline{\quad} \\
 + 49 \rightarrow \quad \underline{\quad} + \underline{\quad} \\
 \hline
 \quad \quad \quad \underline{\quad} + \underline{\quad} = \underline{\quad}
 \end{array}$$



$$\begin{array}{r}
 3. \quad 72 \rightarrow \quad \underline{\quad} + \underline{\quad} \\
 + 18 \rightarrow \quad \underline{\quad} + \underline{\quad} \\
 \hline
 \quad \quad \quad \underline{\quad} + \underline{\quad} = \underline{\quad}
 \end{array}$$



Problem Solving

Choose a way to solve.
Write or draw to explain.

4. Christopher has 28 baseball cards. Justin has 18 baseball cards. How many baseball cards do they have together?

_____ baseball cards

Lesson Check (2.NBT.6)

1. What is the sum?

$$\begin{array}{r} 27 \\ + 12 \\ \hline \end{array}$$

2. What is the sum?

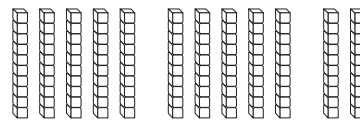
$$\begin{array}{r} 17 \\ + 35 \\ \hline \end{array}$$

Spiral Review (2.OA.2, 2.NBT.1, 2.NBT.3, 2.NBT.6)

3. What is the value of the underlined digit?

25

4. What number has the same value as 12 tens?



5. Ally has 7 connecting cubes. Greg has 4 connecting cubes. How many connecting cubes do they have?

_____ cubes

6. Juan painted a picture of a tree. First he painted 15 leaves. Then he painted 23 more leaves. How many leaves did he paint?

_____ leaves

Model Regrouping for Addition



COMMON CORE STANDARDS—2.NBT.6
Use place value understanding and properties of operations to add and subtract.

Draw to show the regrouping. Write how many tens and ones in the sum. Write the sum.

1. Add 63 and 9.

Tens	Ones

_____ tens _____ ones

2. Add 25 and 58.

Tens	Ones

_____ tens _____ ones

3. Add 58 and 18.

Tens	Ones

_____ tens _____ ones

4. Add 64 and 26.

Tens	Ones

_____ tens _____ ones

5. Add 17 and 77.

Tens	Ones

_____ tens _____ ones

6. Add 16 and 39.

Tens	Ones

_____ tens _____ ones

Problem Solving

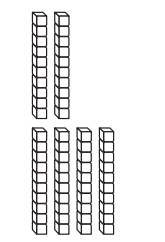
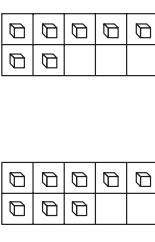
Choose a way to solve.
Write or draw to explain.

7. Cathy has 43 leaves in her collection.
Jane has 38 leaves. How many leaves
do the two children have?

_____ leaves

Lesson Check (2.NBT.6)

1. Add 27 and 48. What is the sum?

Tens	Ones
	

Spiral Review (2.OA.2, 2.OA.3, 2.NBT.6)

2. What is the sum?

$$7 + 7 = \underline{\quad}$$

3. Circle the odd number.

6 12 21 22

4. What is the sum?

$$39 + 46 = \underline{\quad}$$

5. What is the sum?

$$5 + 3 + 4 = \underline{\quad}$$

Model and Record 2-Digit Addition



COMMON CORE STANDARD—2.NBT.6
Use place value understanding and properties of operations to add and subtract.

Draw quick pictures to help you solve.
Write the sum.

1.

Tens	Ones
□	
3	8
+	1
1	7

Tens	Ones

2.

Tens	Ones
□	
5	8
+	2
2	6

Tens	Ones

3.

Tens	Ones
□	
4	2
+	3
3	7

Tens	Ones

4.

Tens	Ones
□	
5	3
+	3
3	8

Tens	Ones

Problem Solving

Choose a way to solve.
Write or draw to explain.

5. There were 37 children at the park on Saturday and 25 children at the park on Sunday. How many children were at the park on those two days?

_____ children

Lesson Check (2.NBT.6)

1. What is the sum?

	Tens	Ones
	<input type="text"/>	
	3	4
+	2	8

2. What is the sum?

	Tens	Ones
	<input type="text"/>	
	4	3
+	2	7

Spiral Review (2.OA.2)

3. Adam collected 14 pennies in the first week and 9 pennies in the second week. How many more pennies did he collect in the first week than in the second week?

$$14 - 9 = \underline{\quad} \text{ pennies}$$

4. What is the sum?

$$3 + 7 + 9 = \underline{\quad}$$

5. Janet has 5 marbles. She finds double that number of marbles in her art box. How many marbles does Janet have now?

$$5 + \underline{\quad} = \underline{\quad} \text{ marbles}$$

6. What is the difference?

$$13 - 5 = \underline{\quad}$$

2-Digit Addition



COMMON CORE STANDARD—2.NBT.5
Use place value understanding and properties of operations to add and subtract.

Regroup if you need to. Write the sum.

<p>1.</p> $\begin{array}{ c c } \hline 4 & 7 \\ + 2 & 5 \\ \hline & \\ \hline \end{array}$	<p>2.</p> $\begin{array}{ c c } \hline 3 & 3 \\ + 1 & 8 \\ \hline & \\ \hline \end{array}$	<p>3.</p> $\begin{array}{ c c } \hline 2 & 8 \\ + 6 & 4 \\ \hline & \\ \hline \end{array}$	<p>4.</p> $\begin{array}{ c c } \hline 1 & 3 \\ + 6 & 5 \\ \hline & \\ \hline \end{array}$
<p>5.</p> $\begin{array}{ c c } \hline 1 & 7 \\ + 2 & 6 \\ \hline & \\ \hline \end{array}$	<p>6.</p> $\begin{array}{ c c } \hline 3 & 6 \\ + 5 & 3 \\ \hline & \\ \hline \end{array}$	<p>7.</p> $\begin{array}{ c c } \hline 5 & 8 \\ + 2 & 5 \\ \hline & \\ \hline \end{array}$	<p>8.</p> $\begin{array}{ c c } \hline 3 & 7 \\ + 4 & 9 \\ \hline & \\ \hline \end{array}$
<p>9.</p> $\begin{array}{ c c } \hline 5 & 2 \\ + 2 & 9 \\ \hline & \\ \hline \end{array}$	<p>10.</p> $\begin{array}{ c c } \hline 6 & 6 \\ + 2 & 4 \\ \hline & \\ \hline \end{array}$	<p>11.</p> $\begin{array}{ c c } \hline 7 & 4 \\ + 1 & 4 \\ \hline & \\ \hline \end{array}$	<p>12.</p> $\begin{array}{ c c } \hline 3 & 7 \\ + 3 & 7 \\ \hline & \\ \hline \end{array}$

Problem Solving

Solve. Write or draw to explain.

13. Angela drew 16 flowers on her paper in the morning. She drew 25 more flowers in the afternoon. How many flowers did she draw?

_____ flowers

Lesson Check (2.NBT.5)

1. What is the sum?

$$\begin{array}{r|l} 2 & 1 \\ + 3 & 7 \\ \hline & \end{array}$$

2. What is the sum?

$$\begin{array}{r|l} 3 & 8 \\ + 5 & 2 \\ \hline & \end{array}$$

Spiral Review (2.OA.1, 2.NBT.3, 2.NBT.8)

3. What is the next number in the counting pattern?

103, 203, 303, 403, _____

4. Rita counted 13 bubbles. Ben counted 5 bubbles. How many fewer bubbles did Ben count than Rita?

$13 - 5 =$ _____ bubbles

5. Which number is 100 more than 265?

6. Write 42 as a sum of tens and ones.

_____ + _____

Practice 2-Digit Addition



COMMON CORE STANDARD—2.NBT.5
Use place value understanding and properties of operations to add and subtract.

Write the sum.

1.

$$\begin{array}{r} 58 \\ + 17 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 44 \\ + 86 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 36 \\ + 13 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 49 \\ + 72 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 58 \\ + 87 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 32 \\ + 59 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 77 \\ + 58 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 45 \\ + 45 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 54 \\ + 28 \\ \hline \end{array}$$

Problem Solving

Solve. Write or draw to explain.

10. There are 45 books on the shelf.
There are 37 books on the table.
How many books are on the shelf
and the table?

_____ books

Lesson Check (2.NBT.5)

1. What is the sum?

$$\begin{array}{r} 56 \\ + 35 \\ \hline \end{array}$$

2. What is the sum?

$$\begin{array}{r} 74 \\ + 15 \\ \hline \end{array}$$

Spiral Review (2.OA.1, 2.OA.2, 2.NBT.1, 2.NBT.3)

3. What is the value of the underlined digit?

526

4. Mr. Stevens wants to put 17 books on the shelf. He put 8 books on the shelf. How many more books does he need to put on the shelf?

$$17 - 8 = \text{_____ books}$$

5. What is the difference?

$$11 - 6 = \text{_____}$$

6. Write 83 as a sum of tens and ones.

$$\text{_____} + \text{_____}$$

Rewrite 2-Digit Addition



COMMON CORE STANDARD—2.NBT.5
Use place value understanding and properties of operations to add and subtract

Rewrite the numbers. Then add.

1. $27 + 19$

$$\begin{array}{r} + \\ \hline \end{array}$$

2. $36 + 23$

$$\begin{array}{r} + \\ \hline \end{array}$$

3. $31 + 29$

$$\begin{array}{r} + \\ \hline \end{array}$$

4. $48 + 23$

$$\begin{array}{r} + \\ \hline \end{array}$$

5. $53 + 12$

$$\begin{array}{r} + \\ \hline \end{array}$$

6. $69 + 13$

$$\begin{array}{r} + \\ \hline \end{array}$$

7. $24 + 38$

$$\begin{array}{r} + \\ \hline \end{array}$$

8. $46 + 37$

$$\begin{array}{r} + \\ \hline \end{array}$$

Problem Solving

Use the table. Show how you solved the problem.

9. How many pages did Sasha and Kara read together?

_____ pages

Pages Read This Week	
Child	Number of Pages
Sasha	62
Kara	29
Juan	50

Lesson Check (2.NBT.5)

1. What is the sum of $39 + 17$?

$$\begin{array}{r} + \\ \hline \end{array}$$

2. What is the sum of $28 + 16$?

$$\begin{array}{r} + \\ \hline \end{array}$$

Spiral Review (2.OA.4, 2.NBT.1, 2.NBT.3, 2.NBT.6)

3. What number is another way to write $60 + 4$?

4. The classroom has 4 desks in each row. There are 5 rows. How many desks are there in the classroom?

_____ desks

5. A squirrel collected 17 acorns. Then the squirrel collected 31 acorns. How many acorns did the squirrel collect?

_____ acorns

6. What number can be written as 3 hundreds 7 tens 5 ones?

Name _____

PROBLEM SOLVING

Lesson 4.9

Problem Solving • Addition



COMMON CORE STANDARD—2.OA.1
Represent and solve problems involving addition and subtraction.

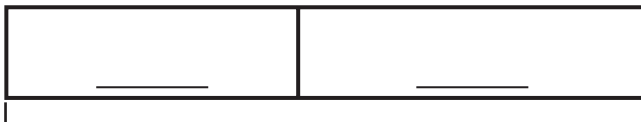
Label the bar model. Write a number sentence with a \square for the missing number. Solve.

1. Jacob counts 37 ants on the sidewalk and 11 ants on the grass. How many ants does Jacob count?



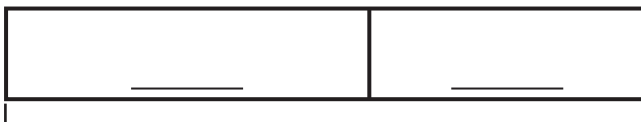
_____ ants

2. There are 14 bees in the hive and 17 bees in the garden. How many bees are there?



_____ bees

3. There are 28 flowers in Sasha's garden. 16 flowers are yellow and the rest are white. How many white flowers are in Sasha's garden?



_____ white flowers

Lesson Check (2.OA.1)

1. Sean and Abby have 23 markers altogether. Abby has 14 markers. How many markers does Sean have?

_____	_____
-------	-------

2. Mrs. James has 22 students in her class. Mr. Williams has 24 students in his class. How many students are in the two classes?

_____	_____
-------	-------

Spiral Review (2.OA.2, 2.NBT.8)

3. What is the difference?

$$15 - 9 = \underline{\quad}$$

4. What is the sum?

$$7 + 5 = \underline{\quad}$$

5. Jan has 14 blocks. She gives 9 blocks to Tim. How many blocks does Jan have now?

$$14 - 9 = \underline{\quad} \text{ blocks}$$

6. What is the next number in the counting pattern?

$$29, 39, 49, 59, \underline{\quad}$$

Name _____

Algebra • Write Equations to Represent Addition



COMMON CORE STANDARD—2.OA.1
 Represent and solve problems involving addition and subtraction.

Write a number sentence for the problem.
 Use a \blacksquare for the missing number. Then solve.

1. Emily and her friends went to the park. They saw 15 robins and 9 blue jays. How many birds did they see?

_____ birds

2. Joe has 13 fish in one tank. He has 8 fish in another tank. How many fish does Joe have?

_____ fish

Problem Solving

Solve.

3. There are 21 children in Kathleen's class. 12 of the children are girls. How many children in her class are boys?

_____ boys

Lesson Check (2.OA.1)

1. Clare has 14 blocks. Jasmine has 6 blocks. How many blocks do they have?

$$14 + 6 = \underline{\quad} \text{ blocks}$$

2. Matt finds 16 acorns at the park. Trevor finds 18 acorns. How many acorns do they find?

$$16 + 18 = \underline{\quad} \text{ acorns}$$

Spiral Review (2.OA.1, 2.OA.2, 2.OA.3, 2.OA.4)

3. Leanne counted 19 ants. Gregory counted 6 ants. How many more ants did Leanne count than Gregory?

$$19 - 6 = \underline{\quad} \text{ ants}$$

4. What is the sum?

$$4 + 3 + 6 = \underline{\quad}$$

5. Ms. Santos puts seashells into 4 rows. She puts 6 seashells in each row. How many seashells are there altogether?

 seashells

6. Circle the even number.

9 14 17 21

Name _____

Algebra • Find Sums for 3 Addends



COMMON CORE STANDARD—2.NBT.6
Use place value understanding and properties of operations to add and subtract.

Add.

1.

$$\begin{array}{r} 23 \\ 20 \\ +25 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 15 \\ 22 \\ +38 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 13 \\ 52 \\ +34 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 27 \\ 40 \\ +19 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 31 \\ 45 \\ +24 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 34 \\ 11 \\ +28 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 42 \\ 36 \\ +11 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 18 \\ 22 \\ +34 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 53 \\ 19 \\ +25 \\ \hline \end{array}$$

Problem Solving

Solve. Write or draw to explain.

- 10.** Liam has 24 yellow pencils, 15 red pencils, and 9 blue pencils. How many pencils does he have altogether?

_____ pencils

Lesson Check (2.NBT.6)

1. What is the sum?

$$\begin{array}{r} 22 \\ 31 \\ + 16 \\ \hline \end{array}$$

2. What is the sum?

$$\begin{array}{r} 17 \\ 26 \\ + 30 \\ \hline \end{array}$$

Spiral Review (2.OA.1, 2.OA.4, 2.NBT.3, 2.NBT.8)

3. What number is 10 more than 127?

4. Mr. Howard's phone has 4 rows of buttons. There are 3 buttons in each row. How many buttons are on Mr. Howard's phone?

_____ buttons

5. Bob tosses 8 horseshoes. Liz tosses 9 horseshoes. How many horseshoes do they toss?

$$8 + 9 = \text{_____ horseshoes}$$

6. What number can be written 3 hundreds 1 ten 5 ones?

Name _____

Algebra • Find Sums for 4 Addends**COMMON CORE STANDARD—2.NBT.6**
Use place value understanding and properties of operations to add and subtract.

Add.

1.

$$\begin{array}{r} 18 \\ 32 \\ 23 \\ + 3 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 45 \\ 31 \\ 29 \\ + 72 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 24 \\ 62 \\ 70 \\ + 33 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 83 \\ 32 \\ 61 \\ + 22 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 37 \\ 15 \\ 31 \\ + 12 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 21 \\ 13 \\ 96 \\ + 18 \\ \hline \end{array}$$

Problem Solving

Solve. Show how you solved the problem.

7. Kinza jogs 16 minutes on Monday, 13 minutes on Tuesday, 9 minutes on Wednesday, and 20 minutes on Thursday. What is the total number of minutes she jogged?

_____ minutes

Lesson Check (2.NBT.6)

1. What is the sum?

$$\begin{array}{r} 12 \\ 33 \\ 56 \\ + 32 \\ \hline \end{array}$$

2. What is the sum?

$$\begin{array}{r} 41 \\ 74 \\ 43 \\ + 20 \\ \hline \end{array}$$

Spiral Review (2.OA.1, 2.NBT.5)

3. Laura had 6 daisies. Then she found 7 more daisies. How many daisies does she have now?

$$6 + 7 = \underline{\quad} \text{ daisies}$$

4. What is the sum?

$$\begin{array}{r} 52 \\ + 27 \\ \hline \end{array}$$

5. Alan has 25 trading cards. He buys 8 more. How many cards does he have now?

$$25 + 8 = \underline{\quad} \text{ cards}$$

6. Jen saw 13 guinea pigs and 18 gerbils at the pet store. How many pets did she see?

$$13 + 18 = \underline{\quad} \text{ pets}$$