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CHAPTER  
4

# Subtraction up to 10,000

## Lesson 4.1 Subtraction Without Regrouping

Subtract. Use a place-value chart to help you.

1.

	Thousands	Hundreds	Tens	Ones
	2	7	6	6
—		4	4	5

2.

	Thousands	Hundreds	Tens	Ones
	6	9	8	4
—		6	3	2

3.

	Thousands	Hundreds	Tens	Ones
	5	4	7	9
—	2	0	3	5

4.

	Thousands	Hundreds	Tens	Ones
	6	5	8	7
—	4	3	4	3

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**Subtract.**

5. 
$$\begin{array}{r} 7, 8 2 5 \\ - 2, 2 0 4 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 8, 0 4 3 \\ - 4, 0 1 2 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 6, 3 7 2 \\ - 3, 2 6 0 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 9, 9 5 8 \\ - 6, 4 3 5 \\ \hline \end{array}$$

**Circle the two numbers that give the difference.  
Then write the number sentence.**

9. The difference between the numbers is 230.

**420 379 178 650**

○  ○

10. The difference between the numbers is 325.

**900 145 575 165**

○  ○

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## Lesson 4.2 Subtraction with Regrouping in Hundreds and Thousands

Find the missing numbers.

*Example*

3 thousands 5 hundreds

= 2 thousands 15 hundreds.

- 4 thousands 6 hundreds  
= 3 thousands \_\_\_\_\_ hundreds.
- 8 thousands 3 hundreds  
= 7 thousands \_\_\_\_\_ hundreds.
- 5 thousands 8 hundreds  
= 4 thousands \_\_\_\_\_ hundreds.
- 9 thousands 7 hundreds  
= 8 thousands \_\_\_\_\_ hundreds.
- 7 thousands 2 hundreds  
= 6 thousands \_\_\_\_\_ hundreds.

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**Subtract. Use a place-value chart to help you.**

<b>6.</b>	<b>Thousands</b>	<b>Hundreds</b>	<b>Tens</b>	<b>Ones</b>
	4	3	6	0
–	2	5	4	0
<hr/>				
<input type="text"/>				

<b>7.</b>	<b>Thousands</b>	<b>Hundreds</b>	<b>Tens</b>	<b>Ones</b>
	5	4	3	6
–	1	7	2	3
<hr/>				
<input type="text"/>				

<b>8.</b>	<b>Thousands</b>	<b>Hundreds</b>	<b>Tens</b>	<b>Ones</b>
	8	0	6	7
–	4	6	2	5
<hr/>				
<input type="text"/>				

<b>9.</b>	<b>Thousands</b>	<b>Hundreds</b>	<b>Tens</b>	<b>Ones</b>
	7	5	9	6
–	6	7	8	6
<hr/>				
<input type="text"/>				

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## Lesson 4.3 Subtraction with Regrouping in Ones, Tens, Hundreds, and Thousands

**Regroup. Find the missing numbers.**

1. 6 hundreds 2 tens = 5 hundreds  tens

2. 3 hundreds 5 tens = 2 hundreds  tens

3. 8 hundreds 3 tens = 7 hundreds  tens

4. 7 tens 4 ones = 6 tens  ones

5. 3 tens 6 ones = 2 tens  ones

6. 8 tens 9 ones = 7 tens  ones

**Subtract. Regroup when needed.**

7.	Thousands	Hundreds	Tens	Ones
	5	3	1	0
—	3	5	4	6
<hr/>				
<input type="text"/>				

8.	Thousands	Hundreds	Tens	Ones
	8	2	2	3
—	3	4	3	9
<hr/>				
<input type="text"/>				

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9.	Thousands	Hundreds	Tens	Ones
	6	4	1	8
—	3	7	2	9

10.	Thousands	Hundreds	Tens	Ones
	7	0	4	6
—	1	6	5	8

11.	Thousands	Hundreds	Tens	Ones
	7	2	0	3
—	2	7	8	5

12.	Thousands	Hundreds	Tens	Ones
	9	3	2	4
—	5	5	6	6

13.	Thousands	Hundreds	Tens	Ones
	8	1	3	5
—	6	4	8	7

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## Lesson 4.4 Subtraction Across Zeros

Subtract. Use a place-value chart to help you.

	Thousands	Hundreds	Tens	Ones
1.	1	0	0	0
	—	3	2	0

	Thousands	Hundreds	Tens	Ones
2.	2	0	0	0
	—	1	2	0

	Thousands	Hundreds	Tens	Ones
3.	8	0	0	5
	—	3	4	6

	Thousands	Hundreds	Tens	Ones
4.	7	0	1	0
	—	5	4	5

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**Subtract. Then solve.**

**5.**

$$\begin{array}{r} 1,000 \\ - 480 \\ \hline \end{array}$$

**P**

**6.**

$$\begin{array}{r} 3,000 \\ - 1,254 \\ \hline \end{array}$$

**I**

**7.**

$$\begin{array}{r} 5,000 \\ - 2,586 \\ \hline \end{array}$$

**R**

**8.**

$$\begin{array}{r} 6,000 \\ - 2,936 \\ \hline \end{array}$$

**C**

**9.**

$$\begin{array}{r} 7,005 \\ - 3,468 \\ \hline \end{array}$$

**E**

**10.**

$$\begin{array}{r} 8,060 \\ - 2,384 \\ \hline \end{array}$$

**U**

**11.**

$$\begin{array}{r} 5,200 \\ - 4,837 \\ \hline \end{array}$$

**A**

**12.**

$$\begin{array}{r} 9,010 \\ - 5,192 \\ \hline \end{array}$$

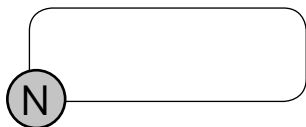
**O**



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13.        1, 0 0 0  
      —     7 2 6



What kind of pine  
has the sharpest  
needles?

Help Jenny solve the riddle.  
Write the corresponding letters to find out.

_____	_____	_____	_____
(363)	(520)	(3,818)	(2,414)
_____	_____	_____	_____
(3,064)	(5,676)	(520)	(1,746)
_____	_____		
(274)	(3,537)		



**Solve. Show your work.**

14. Mrs. Jones has 726 pencils.  
She wants to give 4,005 children one pencil each.  
How many more pencils does Mrs. Jones need?

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- 15.** Lena had \$2,050.  
She buys a computer for \$1,598.  
How much money does Lena have left?
- 16.** A farmer has 3,670 sheep on his farm.  
There are 1,982 fewer cows than sheep on the farm.  
How many cows are there?

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- 17.** Mr. Rajan earns \$3,000 a month.  
He spends \$1,346 a month and saves the rest.  
How much money does Mr. Rajan save each month?

- 18.** At ABC gas station, 2,570 liters of gasoline are sold on Monday,  
and 5,870 liters of gasoline are sold on Tuesday. Find the difference  
between the amounts of gasoline sold on the two days.

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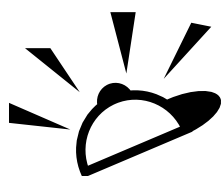
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**19.** A performance was attended by 3,058 adults and 1,735 children. How many fewer children than adults were at the performance?

**20.** Mr. Bema needs exactly 1,260 kilograms of flour for his factory. He has 985 kilograms of flour now. How many more kilograms of flour does Mr. Bema need?

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## Put on Your Thinking Cap!

1. Tran is thinking of two 3-digit numbers.  
Use the clues below to find Tran's numbers.

.....  
: The sum of these two numbers is 500.  
: The difference between these two numbers is 220.  
: The smaller number is less than 200.  
: The greater number is more than 300.  
.....

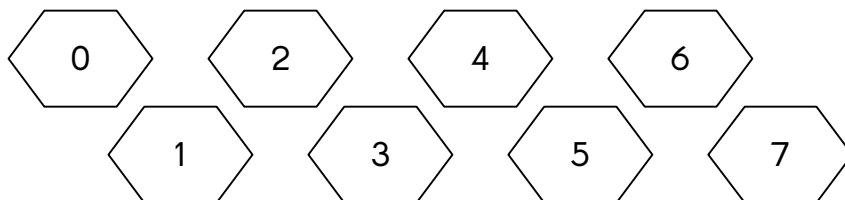
What are the two 3-digit numbers?

The numbers are \_\_\_\_\_ and \_\_\_\_\_.

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**2. Use the following digits to form 4-digit numbers.**



Use each digit only once.  
Do not begin a number with the digit 0.

**a.** Form the greatest difference of two 4-digit numbers.

	□	,	□	□	□
—	□	,	□	□	□
	□	,	□	□	□

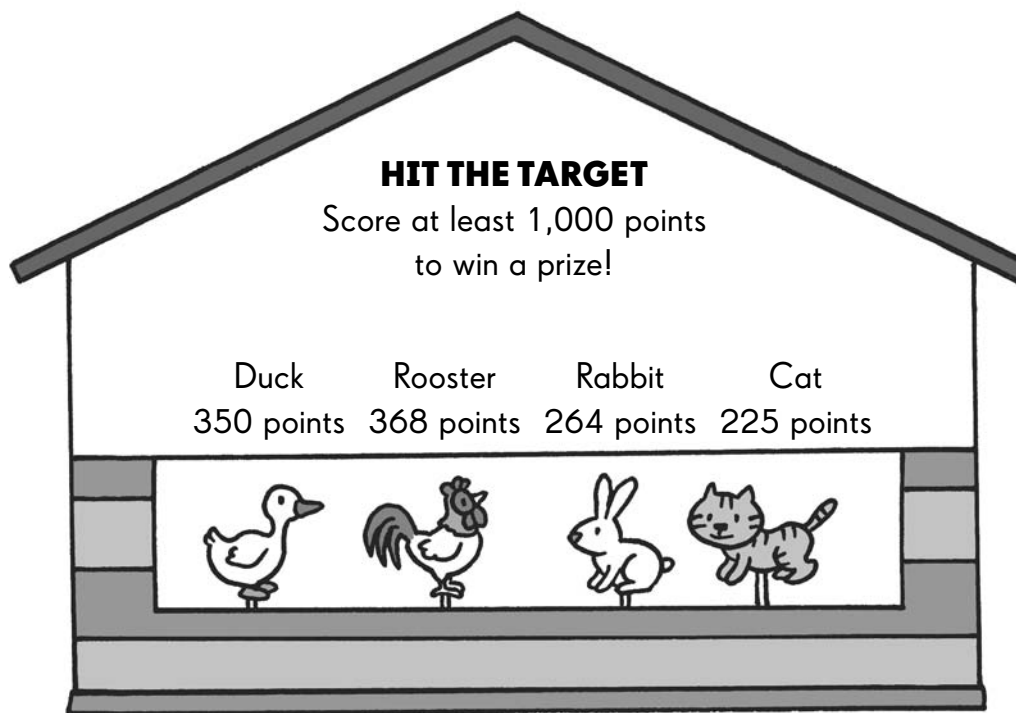
**b.** Form the smallest difference of two 4-digit numbers.

	□	,	□	□	□
—	□	,	□	□	□
	□	,	□	□	□

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3. Sondhi, Larry, and Moe are at a carnival stall.  
Each of them has 3 balls to throw at the targets.

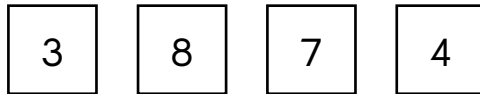


- a. Sondhi hits 1 cat and 2 roosters.  
Larry hits 1 duck and 2 rabbits.  
Who scores more points?  
Does he win a prize?
- b. Moe has a total of 1,000 points.  
What targets did he hit?

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4. Hassan has four cards. Each card has a number on it as shown below.



- a. Form 4-digit numbers by using each card only once.  
List the four-digit numbers that are greater than 7,000.
- b. Find the difference between the greatest and least 4-digit numbers from the above list.