

# Lesson 1 Addition and Subtraction (tens)

$\begin{array}{r} 8 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +6 \\ \hline 14 \end{array}$	$\begin{array}{r} 80 \\ +60 \\ \hline \end{array}$	$\begin{array}{r} 80 \\ +60 \\ \hline 140 \end{array}$	$\begin{array}{r} 14 \\ -6 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -6 \\ \hline 8 \end{array}$	$\begin{array}{r} 140 \\ -60 \\ \hline \end{array}$	$\begin{array}{r} 140 \\ -60 \\ \hline 80 \end{array}$
--	---	--	--	---	---	---	--

If  $8 + 6 = 14$ , then  $80 + 60 =$  \_\_\_\_\_ . If  $14 - 6 = 8$ , then  $140 - 60 =$  \_\_\_\_\_ .

Add.

	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>
1.	$\begin{array}{r} 7 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ +80 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 60 \\ +90 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ +80 \\ \hline \end{array}$

2.	$\begin{array}{r} 7 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ +50 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 80 \\ +90 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 40 \\ +60 \\ \hline \end{array}$
----	--	--	--	--	--	--

3.	$\begin{array}{r} 70 \\ +40 \\ \hline \end{array}$	$\begin{array}{r} 50 \\ +90 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ +90 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ +70 \\ \hline \end{array}$	$\begin{array}{r} 90 \\ +40 \\ \hline \end{array}$	$\begin{array}{r} 80 \\ +40 \\ \hline \end{array}$
----	--	--	--	--	--	--

4.	$\begin{array}{r} 20 \\ +90 \\ \hline \end{array}$	$\begin{array}{r} 60 \\ +60 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ +60 \\ \hline \end{array}$	$\begin{array}{r} 90 \\ +10 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ +90 \\ \hline \end{array}$	$\begin{array}{r} 80 \\ +80 \\ \hline \end{array}$
----	--	--	--	--	--	--

Subtract.

5.	$\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$	$\begin{array}{r} 130 \\ -50 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ -8 \\ \hline \end{array}$	$\begin{array}{r} 170 \\ -80 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$	$\begin{array}{r} 120 \\ -60 \\ \hline \end{array}$
----	---	---	---	---	---	---

6.	$\begin{array}{r} 15 \\ -6 \\ \hline \end{array}$	$\begin{array}{r} 150 \\ -60 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -5 \\ \hline \end{array}$	$\begin{array}{r} 140 \\ -50 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 180 \\ -90 \\ \hline \end{array}$
----	---	---	---	---	---	---

7.	$\begin{array}{r} 140 \\ -80 \\ \hline \end{array}$	$\begin{array}{r} 110 \\ -70 \\ \hline \end{array}$	$\begin{array}{r} 160 \\ -80 \\ \hline \end{array}$	$\begin{array}{r} 130 \\ -60 \\ \hline \end{array}$	$\begin{array}{r} 170 \\ -90 \\ \hline \end{array}$	$\begin{array}{r} 120 \\ -50 \\ \hline \end{array}$
----	---	---	---	---	---	---

8.	$\begin{array}{r} 130 \\ -90 \\ \hline \end{array}$	$\begin{array}{r} 160 \\ -70 \\ \hline \end{array}$	$\begin{array}{r} 150 \\ -80 \\ \hline \end{array}$	$\begin{array}{r} 120 \\ -80 \\ \hline \end{array}$	$\begin{array}{r} 140 \\ -90 \\ \hline \end{array}$	$\begin{array}{r} 110 \\ -40 \\ \hline \end{array}$
----	---	---	---	---	---	---

## Lesson 1 Problem Solving

Answer each question.

1. Nicholas is on a trip of 170 km. So far he has gone 90 km. How many more kilometres must he go? **1.**

Are you to add or subtract? \_\_\_\_\_

How many more kilometres must he go? \_\_\_\_\_

2. A school has 20 male teachers. It has 30 female teachers. How many teachers are in the school? **2.**

Are you to add or subtract? \_\_\_\_\_

How many teachers are in the school? \_\_\_\_\_

3. Logan's mass is 30 kg. His older brother's mass is 60 kg. How many more kilograms is his brother's mass? **3.**

Are you to add or subtract? \_\_\_\_\_

How many more kilograms is his older brother's mass? \_\_\_\_\_

4. Jessica has 110 pennies. Emily has 90 pennies. Jessica has how many more pennies than Emily? **4.**

Jessica has \_\_\_\_\_ more pennies than Emily.

5. Mallory sold 50 pennants on Monday and 70 on Tuesday. How many pennants did she sell in all? **5.**

Mallory sold \_\_\_\_\_ pennants in all.

6. A bag contains 150 red and green marbles. Ninety of them are red. How many marbles are green? **6.**

\_\_\_\_\_ marbles are green.

## Lesson 2 Addition (2-digit)

Add the ones.

$$\begin{array}{r} 43 \\ +86 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ +86 \\ \hline 9 \\ \uparrow \\ 3 + 6 = 9 \end{array}$$

Add the tens.

$$\begin{array}{r} 43 \\ +86 \\ \hline 129 \end{array}$$

$$40 + 80 = 120 \text{ or } 100 + 20$$

Add.

	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>
1.	$\begin{array}{r} 74 \\ +62 \\ \hline \end{array}$	$\begin{array}{r} 56 \\ +93 \\ \hline \end{array}$	$\begin{array}{r} 49 \\ +60 \\ \hline \end{array}$	$\begin{array}{r} 57 \\ +72 \\ \hline \end{array}$	$\begin{array}{r} 83 \\ +35 \\ \hline \end{array}$	$\begin{array}{r} 94 \\ +24 \\ \hline \end{array}$
2.	$\begin{array}{r} 62 \\ +53 \\ \hline \end{array}$	$\begin{array}{r} 76 \\ +72 \\ \hline \end{array}$	$\begin{array}{r} 34 \\ +95 \\ \hline \end{array}$	$\begin{array}{r} 83 \\ +43 \\ \hline \end{array}$	$\begin{array}{r} 96 \\ +61 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ +41 \\ \hline \end{array}$
3.	$\begin{array}{r} 92 \\ +30 \\ \hline \end{array}$	$\begin{array}{r} 74 \\ +82 \\ \hline \end{array}$	$\begin{array}{r} 93 \\ +92 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ +21 \\ \hline \end{array}$	$\begin{array}{r} 55 \\ +60 \\ \hline \end{array}$	$\begin{array}{r} 34 \\ +82 \\ \hline \end{array}$
4.	$\begin{array}{r} 65 \\ +42 \\ \hline \end{array}$	$\begin{array}{r} 54 \\ +82 \\ \hline \end{array}$	$\begin{array}{r} 83 \\ +93 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ +90 \\ \hline \end{array}$	$\begin{array}{r} 93 \\ +93 \\ \hline \end{array}$	$\begin{array}{r} 62 \\ +64 \\ \hline \end{array}$
5.	$\begin{array}{r} 81 \\ +58 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ +91 \\ \hline \end{array}$	$\begin{array}{r} 42 \\ +84 \\ \hline \end{array}$	$\begin{array}{r} 35 \\ +72 \\ \hline \end{array}$	$\begin{array}{r} 90 \\ +70 \\ \hline \end{array}$	$\begin{array}{r} 80 \\ +85 \\ \hline \end{array}$
6.	$\begin{array}{r} 93 \\ +84 \\ \hline \end{array}$	$\begin{array}{r} 22 \\ +97 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ +72 \\ \hline \end{array}$	$\begin{array}{r} 54 \\ +54 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ +82 \\ \hline \end{array}$	$\begin{array}{r} 61 \\ +81 \\ \hline \end{array}$
7.	$\begin{array}{r} 56 \\ +82 \\ \hline \end{array}$	$\begin{array}{r} 62 \\ +43 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ +76 \\ \hline \end{array}$	$\begin{array}{r} 54 \\ +73 \\ \hline \end{array}$	$\begin{array}{r} 94 \\ +94 \\ \hline \end{array}$	$\begin{array}{r} 85 \\ +92 \\ \hline \end{array}$

## Lesson 2 Problem Solving

Solve each problem.

1. Austin sold 96 tickets. Carmen sold 81. How many tickets did they both sell? **1.**

Austin sold \_\_\_\_\_ tickets.

Carmen sold \_\_\_\_\_ tickets.

They sold a total of \_\_\_\_\_ tickets.

2. Fifty-three people live in the first building. Eighty-five people live in the second building. How many people live in both buildings? **2.**

\_\_\_\_\_ people live in the first building.

\_\_\_\_\_ people live in the second building.

\_\_\_\_\_ people live in both buildings.

3. A train went 83 km the first hour. The second hour it went 84 km. How far did it go in the two hours? **3.**

The first hour  
the train went \_\_\_\_\_ km.

The second  
hour it went \_\_\_\_\_ km.

In the two  
hours it went \_\_\_\_\_ km.

4. Ninety-two train seats are filled. There are 47 empty train seats. How many seats are on the train? **4.**

There are \_\_\_\_\_ train seats.

5. Kara collected 72 stamps. Jan collected 76 stamps. How many stamps did they collect in all? **5.**

They collected \_\_\_\_\_ stamps.

# Lesson 3 Subtraction (2- and 3-digit)

Subtract  
the ones.

$$\begin{array}{r} 136 \\ -72 \\ \hline \end{array}$$

$$\begin{array}{r} 136 \\ -72 \\ \hline 4 \end{array}$$

To subtract the tens,  
rename 1 hundred and  
3 tens as "13 tens."

$$\begin{array}{r} 13 \\ \cancel{1}36 \\ -72 \\ \hline 4 \end{array}$$

Subtract  
the tens.

$$\begin{array}{r} 13 \\ \cancel{1}36 \\ -72 \\ \hline 64 \end{array}$$

Subtract.

	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>
1.	$\begin{array}{r} 147 \\ -64 \\ \hline \end{array}$	$\begin{array}{r} 108 \\ -72 \\ \hline \end{array}$	$\begin{array}{r} 156 \\ -83 \\ \hline \end{array}$	$\begin{array}{r} 129 \\ -44 \\ \hline \end{array}$	$\begin{array}{r} 175 \\ -81 \\ \hline \end{array}$	$\begin{array}{r} 114 \\ -42 \\ \hline \end{array}$
2.	$\begin{array}{r} 136 \\ -86 \\ \hline \end{array}$	$\begin{array}{r} 153 \\ -62 \\ \hline \end{array}$	$\begin{array}{r} 118 \\ -91 \\ \hline \end{array}$	$\begin{array}{r} 124 \\ -82 \\ \hline \end{array}$	$\begin{array}{r} 136 \\ -43 \\ \hline \end{array}$	$\begin{array}{r} 107 \\ -45 \\ \hline \end{array}$
3.	$\begin{array}{r} 148 \\ -82 \\ \hline \end{array}$	$\begin{array}{r} 164 \\ -83 \\ \hline \end{array}$	$\begin{array}{r} 186 \\ -93 \\ \hline \end{array}$	$\begin{array}{r} 115 \\ -72 \\ \hline \end{array}$	$\begin{array}{r} 104 \\ -91 \\ \hline \end{array}$	$\begin{array}{r} 146 \\ -52 \\ \hline \end{array}$
4.	$\begin{array}{r} 107 \\ -23 \\ \hline \end{array}$	$\begin{array}{r} 139 \\ -72 \\ \hline \end{array}$	$\begin{array}{r} 124 \\ -30 \\ \hline \end{array}$	$\begin{array}{r} 155 \\ -95 \\ \hline \end{array}$	$\begin{array}{r} 166 \\ -72 \\ \hline \end{array}$	$\begin{array}{r} 124 \\ -61 \\ \hline \end{array}$
5.	$\begin{array}{r} 118 \\ -27 \\ \hline \end{array}$	$\begin{array}{r} 126 \\ -55 \\ \hline \end{array}$	$\begin{array}{r} 174 \\ -93 \\ \hline \end{array}$	$\begin{array}{r} 149 \\ -72 \\ \hline \end{array}$	$\begin{array}{r} 108 \\ -61 \\ \hline \end{array}$	$\begin{array}{r} 136 \\ -94 \\ \hline \end{array}$
6.	$\begin{array}{r} 145 \\ -92 \\ \hline \end{array}$	$\begin{array}{r} 129 \\ -73 \\ \hline \end{array}$	$\begin{array}{r} 152 \\ -72 \\ \hline \end{array}$	$\begin{array}{r} 164 \\ -90 \\ \hline \end{array}$	$\begin{array}{r} 135 \\ -62 \\ \hline \end{array}$	$\begin{array}{r} 113 \\ -61 \\ \hline \end{array}$
7.	$\begin{array}{r} 126 \\ -91 \\ \hline \end{array}$	$\begin{array}{r} 185 \\ -94 \\ \hline \end{array}$	$\begin{array}{r} 137 \\ -65 \\ \hline \end{array}$	$\begin{array}{r} 158 \\ -86 \\ \hline \end{array}$	$\begin{array}{r} 149 \\ -99 \\ \hline \end{array}$	$\begin{array}{r} 176 \\ -83 \\ \hline \end{array}$

## Lesson 3 Problem Solving

Solve each problem.

1. Rob had 128 cm of string. He used 73 cm of it. **1.**  
How much string was left?

The string was \_\_\_\_\_ cm long.

Rob used \_\_\_\_\_ cm of the string.

There were \_\_\_\_\_ cm of string left.

2. Abby and Leigh got on a scale. The reading was **2.**  
70 kg. Leigh got off the scale, and the reading was  
36 kg. What is Leigh's mass?

Together their mass is \_\_\_\_\_ kg.

Abby's mass is \_\_\_\_\_ kg.

Leigh's mass is \_\_\_\_\_ kg.

3. There are 167 students in Tony's grade at school. **3.**  
Seventy-one of the students are girls. How many of  
the students are boys?

There are \_\_\_\_\_ students in all.

There are \_\_\_\_\_ girls.

There are \_\_\_\_\_ boys.

4. Brittnee had 156 sheets of paper in a package. **4.**  
Then she used 91 sheets. How many sheets of  
paper did she have left?

She had \_\_\_\_\_ sheets of paper left.

5. A jet plane has 184 passenger seats. There are **5.**  
93 passengers on the plane. How many empty  
passenger seats are there?

There are \_\_\_\_\_ empty passenger seats.

## Lesson 4 Addition and Subtraction (2- and 3-digit)

To check  
 $75 + 61 = 136$ ,  
 subtract \_\_\_\_\_  
 from 136.

$$\begin{array}{r} 75 \\ +61 \\ \hline 136 \\ -61 \\ \hline 75 \end{array}$$

These should  
be the same.

To check  
 $157 - 83 = 74$ ,  
 add 83  
 to \_\_\_\_\_.

$$\begin{array}{r} 157 \\ -83 \\ \hline 74 \\ +83 \\ \hline 157 \end{array}$$

These should  
be the same.

Add. Check each answer.

	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>
1.	$\begin{array}{r} 74 \\ +53 \\ \hline \end{array}$	$\begin{array}{r} 85 \\ +42 \\ \hline \end{array}$	$\begin{array}{r} 96 \\ +60 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ +71 \\ \hline \end{array}$	$\begin{array}{r} 61 \\ +45 \\ \hline \end{array}$	$\begin{array}{r} 32 \\ +82 \\ \hline \end{array}$

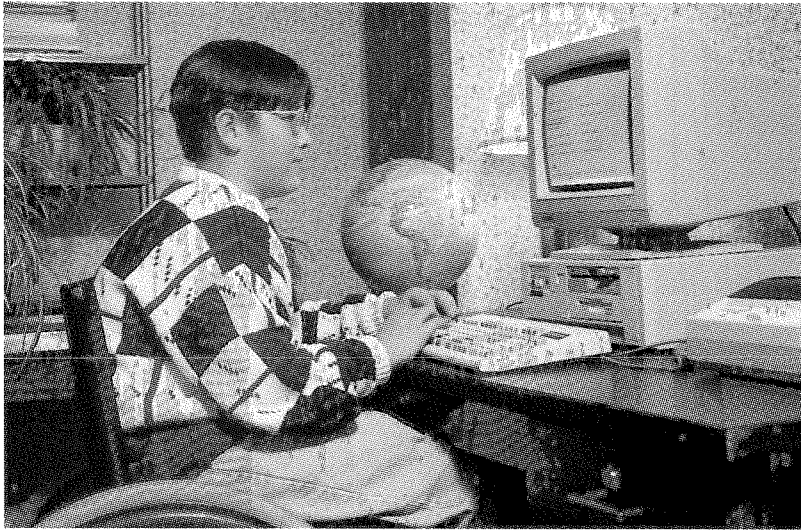
2.	$\begin{array}{r} 91 \\ +82 \\ \hline \end{array}$	$\begin{array}{r} 53 \\ +63 \\ \hline \end{array}$	$\begin{array}{r} 96 \\ +51 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ +82 \\ \hline \end{array}$	$\begin{array}{r} 32 \\ +96 \\ \hline \end{array}$	$\begin{array}{r} 53 \\ +51 \\ \hline \end{array}$
----	--	--	--	--	--	--

Subtract. Check each answer.

3.	$\begin{array}{r} 175 \\ -83 \\ \hline \end{array}$	$\begin{array}{r} 156 \\ -64 \\ \hline \end{array}$	$\begin{array}{r} 162 \\ -91 \\ \hline \end{array}$	$\begin{array}{r} 189 \\ -95 \\ \hline \end{array}$	$\begin{array}{r} 144 \\ -60 \\ \hline \end{array}$	$\begin{array}{r} 128 \\ -71 \\ \hline \end{array}$
----	---	---	---	---	---	---

4.	$\begin{array}{r} 136 \\ -62 \\ \hline \end{array}$	$\begin{array}{r} 165 \\ -83 \\ \hline \end{array}$	$\begin{array}{r} 157 \\ -76 \\ \hline \end{array}$	$\begin{array}{r} 128 \\ -61 \\ \hline \end{array}$	$\begin{array}{r} 147 \\ -52 \\ \hline \end{array}$	$\begin{array}{r} 104 \\ -21 \\ \hline \end{array}$
----	---	---	---	---	---	---

## Lesson 4 Problem Solving



Solve each problem.

1. Derrick worked at the computer for 80 min in the morning. That afternoon he worked at it for 40 min. How many minutes did he work on the computer that day?

Are you to add or subtract? \_\_\_\_\_

How many minutes did he work on the computer that day? \_\_\_\_\_

2. Derrick wrote a computer program with 129 lines. He has typed 91 lines of his program so far. How many more lines does he have to type?

Are you to add or subtract? \_\_\_\_\_

How many more lines does he have to type? \_\_\_\_\_

3. Derrick's mother uses the computer for work. Last month she used it 71 h. This month she used it for 82 h. How many hours did she use the computer in the last two months?

Are you to add or subtract? \_\_\_\_\_

How many hours did she use the computer in the last two months? \_\_\_\_\_

1.

2.

3.



## Lesson 5 Addition (2-digit)

Add the ones.

$$\begin{array}{r} 58 \\ +76 \\ \hline \end{array}$$

Add the tens.

$$\begin{array}{r} 1 \\ 58 \\ +76 \\ \hline 134 \end{array}$$

$8 + 6 = 14$  or  $10 + 4$        $10 + 50 + 70 = 130$  or  $100 + 30$

Add.

	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>
<b>1.</b>	$\begin{array}{r} 94 \\ +68 \\ \hline \end{array}$	$\begin{array}{r} 77 \\ +46 \\ \hline \end{array}$	$\begin{array}{r} 59 \\ +75 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ +38 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ +99 \\ \hline \end{array}$	$\begin{array}{r} 66 \\ +85 \\ \hline \end{array}$
<b>2.</b>	$\begin{array}{r} 87 \\ +85 \\ \hline \end{array}$	$\begin{array}{r} 39 \\ +92 \\ \hline \end{array}$	$\begin{array}{r} 66 \\ +46 \\ \hline \end{array}$	$\begin{array}{r} 47 \\ +78 \\ \hline \end{array}$	$\begin{array}{r} 75 \\ +55 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ +96 \\ \hline \end{array}$
<b>3.</b>	$\begin{array}{r} 97 \\ +59 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ +59 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ +95 \\ \hline \end{array}$	$\begin{array}{r} 34 \\ +88 \\ \hline \end{array}$	$\begin{array}{r} 63 \\ +98 \\ \hline \end{array}$	$\begin{array}{r} 99 \\ +48 \\ \hline \end{array}$
<b>4.</b>	$\begin{array}{r} 37 \\ +73 \\ \hline \end{array}$	$\begin{array}{r} 94 \\ +28 \\ \hline \end{array}$	$\begin{array}{r} 99 \\ +32 \\ \hline \end{array}$	$\begin{array}{r} 58 \\ +95 \\ \hline \end{array}$	$\begin{array}{r} 67 \\ +75 \\ \hline \end{array}$	$\begin{array}{r} 29 \\ +85 \\ \hline \end{array}$
<b>5.</b>	$\begin{array}{r} 48 \\ +86 \\ \hline \end{array}$	$\begin{array}{r} 69 \\ +57 \\ \hline \end{array}$	$\begin{array}{r} 94 \\ +97 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ +88 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ +64 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ +26 \\ \hline \end{array}$
<b>6.</b>	$\begin{array}{r} 54 \\ +88 \\ \hline \end{array}$	$\begin{array}{r} 76 \\ +76 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ +98 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ +68 \\ \hline \end{array}$	$\begin{array}{r} 96 \\ +29 \\ \hline \end{array}$	$\begin{array}{r} 78 \\ +68 \\ \hline \end{array}$

## Lesson 5 Problem Solving

Solve each problem.

1. A library loaned 74 books on Monday. It loaned 87 books on Tuesday. How many books did it loan on both days?

The library loaned \_\_\_\_\_ books on Monday.

The library loaned \_\_\_\_\_ books on Tuesday.

The library loaned \_\_\_\_\_ books both days.

2. Barbara read 49 pages in the morning. She read 57 pages in the afternoon. How many pages did she read in all?

Barbara read \_\_\_\_\_ pages in the morning.

Barbara read \_\_\_\_\_ pages in the afternoon.

Barbara read \_\_\_\_\_ pages in all.

3. The gym is 15 m longer than the basketball court. The basketball court is 26 m long. How long is the gym?

The basketball court is \_\_\_\_\_ m long.

The gym is \_\_\_\_\_ m longer than the basketball court.

The gym is \_\_\_\_\_ m long.

4. At the circus, 84 adult tickets and 96 child tickets were sold. How many tickets were sold?

\_\_\_\_\_ tickets were sold.

5. The team scored 66 points in the first half. They scored 68 points in the second half. How many points did they score in the game?

They scored \_\_\_\_\_ points in the game.

1.

2.

3.

4.

5.

## Lesson 6 Subtraction (3-digit)

Rename 1 hundred  
and 6 ones as  
"10 tens and 6 ones."

$$\begin{array}{r} 106 \\ -49 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \cancel{10}6 \\ -49 \\ \hline \end{array}$$

Rename 10 tens  
and 6 ones as  
"9 tens and 16 ones."

$$\begin{array}{r} 9 \\ \cancel{10}^{16} \\ \cancel{10}6 \\ -49 \\ \hline \end{array}$$

Subtract  
the ones.

$$\begin{array}{r} 9 \\ \cancel{10}^{16} \\ \cancel{10}6 \\ -49 \\ \hline 7 \end{array}$$

Subtract  
the tens.

$$\begin{array}{r} 9 \\ \cancel{10}^{16} \\ \cancel{10}6 \\ -49 \\ \hline 57 \end{array}$$

Subtract.

**1.**  $\begin{array}{r} a \\ 135 \\ -86 \\ \hline \end{array}$

$\begin{array}{r} b \\ 108 \\ -19 \\ \hline \end{array}$

$\begin{array}{r} c \\ 113 \\ -27 \\ \hline \end{array}$

$\begin{array}{r} d \\ 125 \\ -48 \\ \hline \end{array}$

$\begin{array}{r} e \\ 142 \\ -59 \\ \hline \end{array}$

$\begin{array}{r} f \\ 156 \\ -88 \\ \hline \end{array}$

**2.**  $\begin{array}{r} 115 \\ -78 \\ \hline \end{array}$

$\begin{array}{r} 122 \\ -78 \\ \hline \end{array}$

$\begin{array}{r} 171 \\ -99 \\ \hline \end{array}$

$\begin{array}{r} 140 \\ -55 \\ \hline \end{array}$

$\begin{array}{r} 107 \\ -18 \\ \hline \end{array}$

$\begin{array}{r} 132 \\ -65 \\ \hline \end{array}$

**3.**  $\begin{array}{r} 186 \\ -99 \\ \hline \end{array}$

$\begin{array}{r} 153 \\ -65 \\ \hline \end{array}$

$\begin{array}{r} 132 \\ -93 \\ \hline \end{array}$

$\begin{array}{r} 148 \\ -79 \\ \hline \end{array}$

$\begin{array}{r} 115 \\ -57 \\ \hline \end{array}$

$\begin{array}{r} 142 \\ -64 \\ \hline \end{array}$

**4.**  $\begin{array}{r} 153 \\ -95 \\ \hline \end{array}$

$\begin{array}{r} 104 \\ -37 \\ \hline \end{array}$

$\begin{array}{r} 136 \\ -48 \\ \hline \end{array}$

$\begin{array}{r} 150 \\ -77 \\ \hline \end{array}$

$\begin{array}{r} 162 \\ -95 \\ \hline \end{array}$

$\begin{array}{r} 174 \\ -86 \\ \hline \end{array}$

**5.**  $\begin{array}{r} 143 \\ -85 \\ \hline \end{array}$

$\begin{array}{r} 154 \\ -96 \\ \hline \end{array}$

$\begin{array}{r} 163 \\ -87 \\ \hline \end{array}$

$\begin{array}{r} 132 \\ -75 \\ \hline \end{array}$

$\begin{array}{r} 120 \\ -61 \\ \hline \end{array}$

$\begin{array}{r} 147 \\ -78 \\ \hline \end{array}$

**6.**  $\begin{array}{r} 163 \\ -99 \\ \hline \end{array}$

$\begin{array}{r} 174 \\ -87 \\ \hline \end{array}$

$\begin{array}{r} 126 \\ -58 \\ \hline \end{array}$

$\begin{array}{r} 142 \\ -95 \\ \hline \end{array}$

$\begin{array}{r} 133 \\ -58 \\ \hline \end{array}$

$\begin{array}{r} 114 \\ -28 \\ \hline \end{array}$

**7.**  $\begin{array}{r} 102 \\ -23 \\ \hline \end{array}$

$\begin{array}{r} 175 \\ -97 \\ \hline \end{array}$

$\begin{array}{r} 166 \\ -97 \\ \hline \end{array}$

$\begin{array}{r} 148 \\ -59 \\ \hline \end{array}$

$\begin{array}{r} 133 \\ -74 \\ \hline \end{array}$

$\begin{array}{r} 121 \\ -98 \\ \hline \end{array}$

## Lesson 6 Problem Solving

Solve each problem.

1. Ms. Davis needs 180 m of fence. She has 95 m of fence. How many more metres of fence does she need? **1.**

Ms. Davis needs \_\_\_\_\_ m of fence.

She has \_\_\_\_\_ m of fence.

She needs \_\_\_\_\_ m more of fence.

2. Aaron knows the names of 128 students at school. If 79 are girls, how many are boys? **2.**

Aaron knows the names of \_\_\_\_\_ students.

\_\_\_\_\_ students are girls.

\_\_\_\_\_ students are boys.

3. Margo's family is on a 162 km trip. They have already gone 84 km. How much farther do they have to go? **3.**

The trip is \_\_\_\_\_ km long.

They have gone \_\_\_\_\_ km.

They have \_\_\_\_\_ km more to go.

4. Ian's birthday is the 29th day of the year. Karen's birthday is the 126th day. Karen's birthday is how many days after Ian's birthday? **4.**

Karen's birthday is \_\_\_\_\_ days after Ian's.

5. Mr. Darter bought 131 stamps at two post offices. He got 84 stamps at one post office. How many did he get at the other post office? **5.**

Mr. Darter got \_\_\_\_\_ stamps.

**Lesson 7** Addition and Subtraction (2- and 3-digit)

Add. Check each answer.

	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>
<b>1.</b>	$\begin{array}{r} 54 \\ +38 \\ \hline \end{array}$	$\begin{array}{r} 71 \\ +56 \\ \hline \end{array}$	$\begin{array}{r} 57 \\ +86 \\ \hline \end{array}$	$\begin{array}{r} 95 \\ +24 \\ \hline \end{array}$	$\begin{array}{r} 42 \\ +37 \\ \hline \end{array}$	$\begin{array}{r} 58 \\ +26 \\ \hline \end{array}$

<b>2.</b>	$\begin{array}{r} 72 \\ +96 \\ \hline \end{array}$	$\begin{array}{r} 58 \\ +74 \\ \hline \end{array}$	$\begin{array}{r} 92 \\ +37 \\ \hline \end{array}$	$\begin{array}{r} 48 \\ +22 \\ \hline \end{array}$	$\begin{array}{r} 35 \\ +43 \\ \hline \end{array}$	$\begin{array}{r} 55 \\ +55 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

Subtract. Check each answer.

<b>3.</b>	$\begin{array}{r} 125 \\ -92 \\ \hline \end{array}$	$\begin{array}{r} 174 \\ -33 \\ \hline \end{array}$	$\begin{array}{r} 165 \\ -87 \\ \hline \end{array}$	$\begin{array}{r} 150 \\ -90 \\ \hline \end{array}$	$\begin{array}{r} 146 \\ -76 \\ \hline \end{array}$	$\begin{array}{r} 132 \\ -84 \\ \hline \end{array}$
-----------	---	---	---	---	---	---

<b>4.</b>	$\begin{array}{r} 112 \\ -47 \\ \hline \end{array}$	$\begin{array}{r} 118 \\ -33 \\ \hline \end{array}$	$\begin{array}{r} 157 \\ -26 \\ \hline \end{array}$	$\begin{array}{r} 160 \\ -45 \\ \hline \end{array}$	$\begin{array}{r} 175 \\ -76 \\ \hline \end{array}$	$\begin{array}{r} 153 \\ -83 \\ \hline \end{array}$
-----------	---	---	---	---	---	---

<b>5.</b>	$\begin{array}{r} 198 \\ -39 \\ \hline \end{array}$	$\begin{array}{r} 155 \\ -97 \\ \hline \end{array}$	$\begin{array}{r} 163 \\ -84 \\ \hline \end{array}$	$\begin{array}{r} 131 \\ -71 \\ \hline \end{array}$	$\begin{array}{r} 111 \\ -24 \\ \hline \end{array}$	$\begin{array}{r} 108 \\ -39 \\ \hline \end{array}$
-----------	---	---	---	---	---	---

## Lesson 7 Problem Solving

Solve each problem.

- 1.** There are 166 people living in an apartment building. If 98 are children, how many are adults? **1.**

There are \_\_\_\_\_ people in the building.

There are \_\_\_\_\_ children.

There are \_\_\_\_\_ adults.

- 2.** There were 115 cases on a truck. The driver left 27 cases at the first stop. How many cases are still on the truck? **2.**

\_\_\_\_\_ cases were on a truck.

\_\_\_\_\_ cases were left at the first stop.

\_\_\_\_\_ cases are still on the truck.

- 3.** The bus has 84 passenger seats. All the seats are filled, and there are 39 passengers standing. How many passengers are on the bus? **3.**

The bus has \_\_\_\_\_ seats.

There are \_\_\_\_\_ passengers standing.

There are \_\_\_\_\_ passengers on the bus.

- 4.** Breanne counted 63 houses on one side of the street. She counted 89 on the other side. How many houses are on the street? **4.**

There are \_\_\_\_\_ houses on the street.

- 5.** Lindsay had 112 balloons. She gave some of them away. She had 35 balloons left. How many balloons did she give away? **5.**

She gave away \_\_\_\_\_ balloons.

**CHAPTER 5 PRACTICE TEST****Addition and Subtraction (2- and 3-digit; with renaming)**

Add or subtract. Check each answer.

$$\begin{array}{r} a \\ 1. \quad 60 \\ +80 \\ \hline \end{array}$$

$$\begin{array}{r} b \\ \quad 70 \\ +90 \\ \hline \end{array}$$

$$\begin{array}{r} c \\ \quad 85 \\ +63 \\ \hline \end{array}$$

$$\begin{array}{r} d \\ \quad 72 \\ +54 \\ \hline \end{array}$$

$$\begin{array}{r} e \\ \quad 60 \\ +65 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 84 \\ +57 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 63 \\ +77 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 82 \\ +99 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 78 \\ +78 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 44 \\ +79 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 170 \\ -80 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 160 \\ -80 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 153 \\ -71 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 127 \\ -82 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 175 \\ -91 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 127 \\ -59 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 143 \\ -65 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 166 \\ -89 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 183 \\ -95 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 122 \\ -57 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 147 \\ -36 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 56 \\ +37 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 175 \\ -85 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 57 \\ +89 \\ \hline \end{array}$$

$$\begin{array}{r} \quad 197 \\ -73 \\ \hline \end{array}$$

**CHAPTER 6 PRETEST**

## Addition and Subtraction (2-, 3-, and 4-digit; with renaming)

Add.

	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>
1.	$\begin{array}{r} 3 \\ 4 \\ \hline +7 \end{array}$	$\begin{array}{r} 8 \\ 6 \\ \hline +9 \end{array}$	$\begin{array}{r} 9 \\ 5 \\ \hline +7 \end{array}$	$\begin{array}{r} 5 \\ 6 \\ 8 \\ \hline +3 \end{array}$	$\begin{array}{r} 4 \\ 9 \\ 2 \\ \hline +6 \end{array}$	$\begin{array}{r} 3 \\ 7 \\ 5 \\ \hline +9 \end{array}$

2.	$\begin{array}{r} 10 \\ 30 \\ 40 \\ \hline +50 \end{array}$	$\begin{array}{r} 20 \\ 30 \\ 40 \\ \hline +60 \end{array}$	$\begin{array}{r} 20 \\ 40 \\ 60 \\ \hline +70 \end{array}$	$\begin{array}{r} 40 \\ 30 \\ 80 \\ \hline +40 \end{array}$	$\begin{array}{r} 50 \\ 50 \\ 20 \\ \hline +60 \end{array}$	$\begin{array}{r} 20 \\ 60 \\ 20 \\ \hline +40 \end{array}$
----	---	---	---	---	---	---

3.	$\begin{array}{r} 52 \\ 41 \\ \hline +30 \end{array}$	$\begin{array}{r} 26 \\ 30 \\ \hline +92 \end{array}$	$\begin{array}{r} 33 \\ 44 \\ \hline +57 \end{array}$	$\begin{array}{r} 38 \\ 46 \\ \hline +69 \end{array}$	$\begin{array}{r} 49 \\ 65 \\ \hline +77 \end{array}$	$\begin{array}{r} 27 \\ 34 \\ \hline +46 \end{array}$
----	---	---	---	---	---	---

4.	$\begin{array}{r} 23 \\ 23 \\ 31 \\ \hline +22 \end{array}$	$\begin{array}{r} 28 \\ 17 \\ 23 \\ \hline +44 \end{array}$	$\begin{array}{r} 91 \\ 22 \\ 34 \\ \hline +51 \end{array}$	$\begin{array}{r} 72 \\ 54 \\ 36 \\ \hline +21 \end{array}$	$\begin{array}{r} 78 \\ 52 \\ 43 \\ \hline +45 \end{array}$	$\begin{array}{r} 33 \\ 25 \\ 36 \\ \hline +21 \end{array}$
----	---	---	---	---	---	---

5.	$\begin{array}{r} 423 \\ 101 \\ \hline +324 \end{array}$	$\begin{array}{r} 526 \\ 345 \\ \hline +116 \end{array}$	$\begin{array}{r} 123 \\ 541 \\ \hline +162 \end{array}$	$\begin{array}{r} 752 \\ 348 \\ \hline +150 \end{array}$	$\begin{array}{r} 429 \\ 316 \\ 541 \\ \hline +302 \end{array}$	$\begin{array}{r} 324 \\ 115 \\ 462 \\ \hline +115 \end{array}$
----	--	--	--	--	---	---

Subtract.

	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>
6.	$\begin{array}{r} 752 \\ -341 \\ \hline \end{array}$	$\begin{array}{r} 673 \\ -424 \\ \hline \end{array}$	$\begin{array}{r} 583 \\ -193 \\ \hline \end{array}$	$\begin{array}{r} 765 \\ -489 \\ \hline \end{array}$	$\begin{array}{r} 605 \\ -329 \\ \hline \end{array}$

7.	$\begin{array}{r} 4723 \\ -221 \\ \hline \end{array}$	$\begin{array}{r} 5806 \\ -447 \\ \hline \end{array}$	$\begin{array}{r} 3924 \\ -163 \\ \hline \end{array}$	$\begin{array}{r} 7811 \\ -912 \\ \hline \end{array}$	$\begin{array}{r} 6425 \\ -587 \\ \hline \end{array}$
----	---	---	---	---	---