

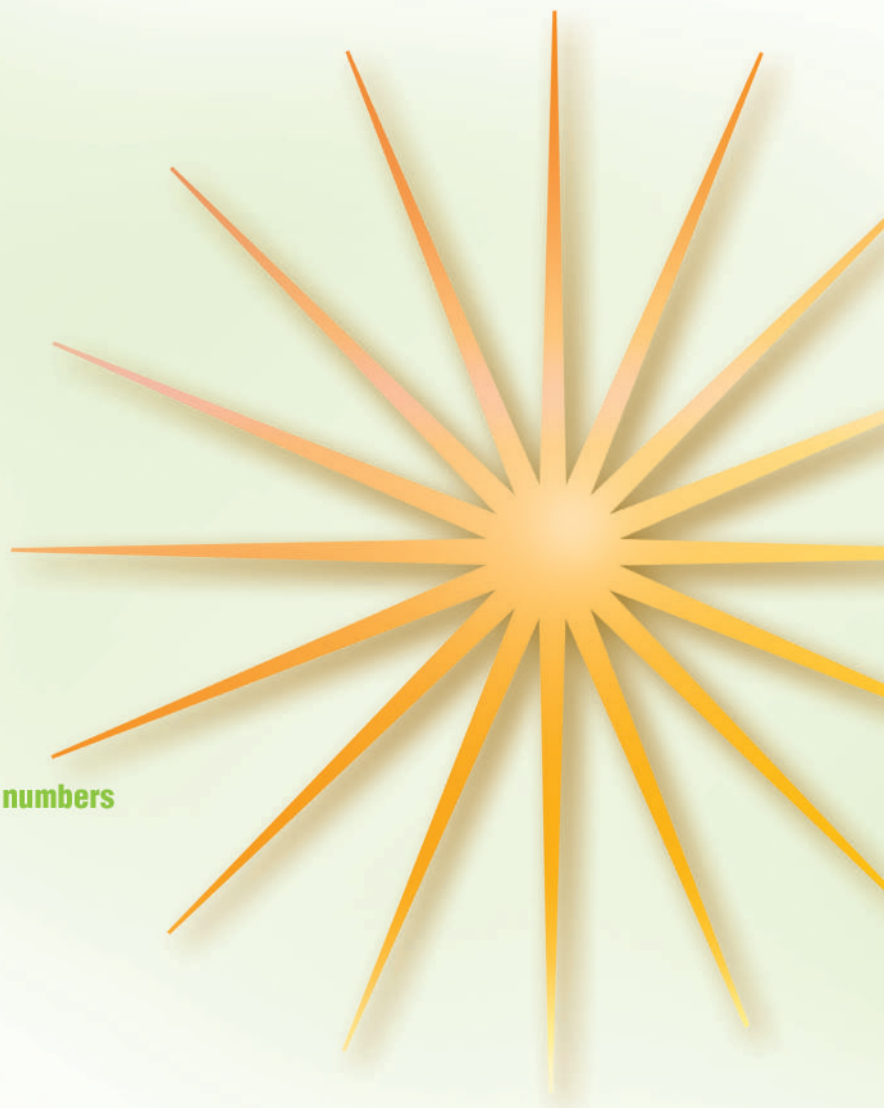
SPECTRUM[®] Math

GRADE
3



Focused Practice for Math Mastery

- Adding and subtracting to four-digit numbers
- Multiplying and dividing
- Fractions
- Perimeter and area
- Graphs and line plots
- Answer key



SPECTRUM[®]

Math

Grade 3

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**Check What You Know****Adding and Subtracting 1- and 2-Digit Numbers
(with renaming)**

Add.

$$\begin{array}{r} \mathbf{1.} \quad 23 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{b} \quad 17 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{c} \quad 37 \\ + 42 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{d} \quad 11 \\ + 75 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{e} \quad 81 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{2.} \quad 16 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 59 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{3.} \quad 30 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{4.} \quad 13 \\ + 86 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ 3 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ 33 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ 51 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ 27 \\ + 46 \\ \hline \end{array}$$

Subtract.

$$\begin{array}{r} \mathbf{5.} \quad 90 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{b} \quad 16 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{c} \quad 23 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{d} \quad 27 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{e} \quad 19 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{6.} \quad 57 \\ - 16 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ - 23 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{7.} \quad 97 \\ - 58 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ - 23 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ - 27 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ - 13 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{8.} \quad 32 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ - 12 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ - 30 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ - 8 \\ \hline \end{array}$$

**Check What You Know****SHOW YOUR WORK****Adding and Subtracting 1- and 2-Digit Numbers (with renaming)**

Solve each problem.

- 9.** The florist has 63 roses and carnations. If she has 27 roses, how many carnations does she have?

The florist has _____ roses and carnations.

She has _____ roses.

The florist has _____ carnations.

- 10.** Bly has 43 pennies, 13 dimes, and 16 nickels. How many coins does she have in all?

Bly has _____ pennies.

She has _____ dimes.

She has _____ nickels.

Bly has _____ coins in all.

- 11.** There are 36 students in Cleveland's class this year. If 22 are girls, how many boys are in Cleveland's class?

There are _____ students in Cleveland's class.

There are _____ girls in his class.

There are _____ boys in his class.

- 12.** The store has 53 cases of apples and oranges in the storeroom. If there are 28 cases of apples, how many cases of oranges are there in the storeroom?

There are _____ cases of oranges in the storeroom.

9.**10.****11.****12.**

Lesson 1.1 Adding through 20

addend 3 → Find the **3**-row.
 addend + 8 → Find the **8**-column.
 sum | | ← The sum is named
 where the 3-row and
 the 8-column meet.

		8-column Addend										
		+	0	1	2	3	4	5	6	7	8	9
Addend	0	0	1	2	3	4	5	6	7	8	9	
	1	1	2	3	4	5	6	7	8	9	10	
	2	2	3	4	5	6	7	8	9	10	11	
	3	3	4	5	6	7	8	9	10	11	12	
	4	4	5	6	7	8	9	10	11	12	13	
	5	5	6	7	8	9	10	11	12	13	14	
	6	6	7	8	9	10	11	12	13	14	15	
	7	7	8	9	10	11	12	13	14	15	16	
	8	8	9	10	11	12	13	14	15	16	17	
	9	9	10	11	12	13	14	15	16	17	18	

Add.

- | | a | b | c | d | e | f |
|-----------|--|--|--|--|--|--|
| 1. | $\begin{array}{r} 2 \\ +3 \\ \hline 5 \end{array}$ | $\begin{array}{r} 7 \\ +9 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$ | $\begin{array}{r} 1 \\ +7 \\ \hline \end{array}$ | $\begin{array}{r} 0 \\ +3 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ +5 \\ \hline \end{array}$ |
| 2. | $\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ +0 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ +5 \\ \hline \end{array}$ | $\begin{array}{r} 0 \\ +7 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$ |
| 3. | $\begin{array}{r} 4 \\ +3 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ +9 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ +6 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ +9 \\ \hline \end{array}$ | $\begin{array}{r} 0 \\ +6 \\ \hline \end{array}$ |
| 4. | $\begin{array}{r} 0 \\ +0 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ +3 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ +6 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ +1 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ +8 \\ \hline \end{array}$ |
| 5. | $\begin{array}{r} 5 \\ +2 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ +1 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ +4 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ +6 \\ \hline \end{array}$ |
| 6. | $\begin{array}{r} 10 \\ +10 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ + 0 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ + 7 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ +9 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ +7 \\ \hline \end{array}$ |

Lesson 1.3 Adding 2-Digit Numbers (no renaming)

First, add the ones. Then, add the tens.

$$\begin{array}{r} 43 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ +22 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 43 \\ +22 \\ \hline 65 \end{array}$$

addend
addend
sum

$$\begin{array}{r} 22 \\ +16 \\ \hline 38 \end{array}$$

addend
addend
sum

First, add the ones.
Then, add the tens.

Add.

	a	b	c	d	e	f
1.	$\begin{array}{r} 23 \\ +16 \\ \hline 39 \end{array}$	$\begin{array}{r} 11 \\ +22 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ +10 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ +12 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ +15 \\ \hline \end{array}$	$\begin{array}{r} 63 \\ +13 \\ \hline \end{array}$

2.	$\begin{array}{r} 10 \\ +17 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ +30 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ +14 \\ \hline \end{array}$	$\begin{array}{r} 32 \\ +51 \\ \hline \end{array}$	$\begin{array}{r} 81 \\ +11 \\ \hline \end{array}$	$\begin{array}{r} 34 \\ +21 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

3.	$\begin{array}{r} 14 \\ +12 \\ \hline \end{array}$	$\begin{array}{r} 34 \\ +13 \\ \hline \end{array}$	$\begin{array}{r} 41 \\ +18 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ +50 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ +50 \\ \hline \end{array}$	$\begin{array}{r} 22 \\ +22 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

4.	$\begin{array}{r} 18 \\ +41 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ +42 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ +44 \\ \hline \end{array}$	$\begin{array}{r} 31 \\ +17 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ +42 \\ \hline \end{array}$	$\begin{array}{r} 31 \\ +38 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

5.	$\begin{array}{r} 13 \\ +14 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ +43 \\ \hline \end{array}$	$\begin{array}{r} 23 \\ +42 \\ \hline \end{array}$	$\begin{array}{r} 22 \\ +71 \\ \hline \end{array}$	$\begin{array}{r} 37 \\ +60 \\ \hline \end{array}$	$\begin{array}{r} 35 \\ +23 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

6.	$\begin{array}{r} 10 \\ +43 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ +20 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ +13 \\ \hline \end{array}$	$\begin{array}{r} 52 \\ +13 \\ \hline \end{array}$	$\begin{array}{r} 42 \\ +26 \\ \hline \end{array}$	$\begin{array}{r} 32 \\ +45 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

Lesson 1.4 Subtracting 2-Digit Numbers (no renaming)

First, subtract the ones.

$$\begin{array}{r} 36 \\ -23 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ -23 \\ \hline 3 \end{array}$$

Then, subtract the tens.

$$\begin{array}{r} 36 \\ -23 \\ \hline 13 \end{array}$$

minuend
subtrahend
difference

Subtract.

	a	b	c	d	e	f
1.	$\begin{array}{r} 23 \\ -12 \\ \hline 11 \end{array}$	$\begin{array}{r} 86 \\ -22 \\ \hline \end{array}$	$\begin{array}{r} 93 \\ -71 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ -10 \\ \hline \end{array}$	$\begin{array}{r} 92 \\ -11 \\ \hline \end{array}$	$\begin{array}{r} 48 \\ -16 \\ \hline \end{array}$

2.	$\begin{array}{r} 62 \\ -10 \\ \hline \end{array}$	$\begin{array}{r} 83 \\ -13 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ -44 \\ \hline \end{array}$	$\begin{array}{r} 54 \\ -12 \\ \hline \end{array}$	$\begin{array}{r} 37 \\ -25 \\ \hline \end{array}$	$\begin{array}{r} 88 \\ -32 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

3.	$\begin{array}{r} 86 \\ -45 \\ \hline \end{array}$	$\begin{array}{r} 92 \\ -70 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ -62 \\ \hline \end{array}$	$\begin{array}{r} 75 \\ -62 \\ \hline \end{array}$	$\begin{array}{r} 88 \\ -44 \\ \hline \end{array}$	$\begin{array}{r} 90 \\ -60 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

4.	$\begin{array}{r} 82 \\ -41 \\ \hline \end{array}$	$\begin{array}{r} 57 \\ -36 \\ \hline \end{array}$	$\begin{array}{r} 35 \\ -23 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ -43 \\ \hline \end{array}$	$\begin{array}{r} 81 \\ -60 \\ \hline \end{array}$	$\begin{array}{r} 42 \\ -30 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

5.	$\begin{array}{r} 60 \\ -30 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ -25 \\ \hline \end{array}$	$\begin{array}{r} 92 \\ -81 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ -32 \\ \hline \end{array}$	$\begin{array}{r} 57 \\ -36 \\ \hline \end{array}$	$\begin{array}{r} 29 \\ -13 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

6.	$\begin{array}{r} 25 \\ -15 \\ \hline \end{array}$	$\begin{array}{r} 28 \\ -12 \\ \hline \end{array}$	$\begin{array}{r} 36 \\ -13 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ -15 \\ \hline \end{array}$	$\begin{array}{r} 75 \\ -14 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ -23 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

Lesson 1.5 Adding 2-Digit Numbers (with renaming)

Add the ones.
Rename 12 as 10 + 2.

Add the tens.

$$\begin{array}{r} 37 \\ +25 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 5 \\ \hline 12 \text{ or } 10 + 2 \end{array}$$

$$\begin{array}{r} 37 \\ +25 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 37 \\ +25 \\ \hline 62 \end{array}$$

addend
addend
sum

Add.

- | | a | b | c | d | e | f |
|-----------|---|--|--|--|--|--|
| 1. | $\begin{array}{r} 23 \\ +18 \\ \hline 41 \end{array}$ | $\begin{array}{r} 76 \\ +15 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ +77 \\ \hline \end{array}$ | $\begin{array}{r} 36 \\ +16 \\ \hline \end{array}$ | $\begin{array}{r} 19 \\ +62 \\ \hline \end{array}$ | $\begin{array}{r} 29 \\ +19 \\ \hline \end{array}$ |
| 2. | $\begin{array}{r} 27 \\ +36 \\ \hline \end{array}$ | $\begin{array}{r} 52 \\ +39 \\ \hline \end{array}$ | $\begin{array}{r} 36 \\ +28 \\ \hline \end{array}$ | $\begin{array}{r} 30 \\ +50 \\ \hline \end{array}$ | $\begin{array}{r} 56 \\ +27 \\ \hline \end{array}$ | $\begin{array}{r} 59 \\ +13 \\ \hline \end{array}$ |
| 3. | $\begin{array}{r} 54 \\ +27 \\ \hline \end{array}$ | $\begin{array}{r} 53 \\ +28 \\ \hline \end{array}$ | $\begin{array}{r} 28 \\ +17 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ +19 \\ \hline \end{array}$ | $\begin{array}{r} 39 \\ +17 \\ \hline \end{array}$ | $\begin{array}{r} 56 \\ +14 \\ \hline \end{array}$ |
| 4. | $\begin{array}{r} 62 \\ +19 \\ \hline \end{array}$ | $\begin{array}{r} 27 \\ +18 \\ \hline \end{array}$ | $\begin{array}{r} 26 \\ +55 \\ \hline \end{array}$ | $\begin{array}{r} 18 \\ +13 \\ \hline \end{array}$ | $\begin{array}{r} 72 \\ +18 \\ \hline \end{array}$ | $\begin{array}{r} 37 \\ +17 \\ \hline \end{array}$ |
| 5. | $\begin{array}{r} 23 \\ +57 \\ \hline \end{array}$ | $\begin{array}{r} 29 \\ +16 \\ \hline \end{array}$ | $\begin{array}{r} 25 \\ +16 \\ \hline \end{array}$ | $\begin{array}{r} 38 \\ +14 \\ \hline \end{array}$ | $\begin{array}{r} 26 \\ +28 \\ \hline \end{array}$ | $\begin{array}{r} 76 \\ +15 \\ \hline \end{array}$ |
| 6. | $\begin{array}{r} 29 \\ +17 \\ \hline \end{array}$ | $\begin{array}{r} 34 \\ +27 \\ \hline \end{array}$ | $\begin{array}{r} 43 \\ +27 \\ \hline \end{array}$ | $\begin{array}{r} 25 \\ +26 \\ \hline \end{array}$ | $\begin{array}{r} 48 \\ +12 \\ \hline \end{array}$ | $\begin{array}{r} 45 \\ +46 \\ \hline \end{array}$ |

Lesson 1.6 Subtracting 2-Digit Numbers (with renaming)

Subtract the ones.
Rename 52 as "4 tens and 12 ones."

$$\begin{array}{r} 52 \\ -19 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \text{ 12} \\ \cancel{5} \cancel{2} \\ -19 \\ \hline \end{array}$$

Subtract the ones.

$$\begin{array}{r} 4 \text{ 12} \\ \cancel{5} \cancel{2} \\ -19 \\ \hline 3 \end{array}$$

Subtract the tens.

$$\begin{array}{r} 4 \text{ 12} \\ \cancel{5} \cancel{2} \\ -19 \\ \hline 33 \end{array}$$

minuend
subtrahend
difference

Subtract.

	a	b	c	d	e	f
1.	$\begin{array}{r} 30 \\ -22 \\ \hline 8 \end{array}$	$\begin{array}{r} 22 \\ -19 \\ \hline \end{array}$	$\begin{array}{r} 53 \\ -28 \\ \hline \end{array}$	$\begin{array}{r} 41 \\ -27 \\ \hline \end{array}$	$\begin{array}{r} 92 \\ -56 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ -27 \\ \hline \end{array}$

2.	$\begin{array}{r} 83 \\ -66 \\ \hline \end{array}$	$\begin{array}{r} 62 \\ -56 \\ \hline \end{array}$	$\begin{array}{r} 51 \\ -17 \\ \hline \end{array}$	$\begin{array}{r} 34 \\ -15 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ -29 \\ \hline \end{array}$	$\begin{array}{r} 57 \\ -38 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

3.	$\begin{array}{r} 72 \\ -37 \\ \hline \end{array}$	$\begin{array}{r} 82 \\ -67 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ -18 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ -57 \\ \hline \end{array}$	$\begin{array}{r} 41 \\ -16 \\ \hline \end{array}$	$\begin{array}{r} 53 \\ -29 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

4.	$\begin{array}{r} 24 \\ -17 \\ \hline \end{array}$	$\begin{array}{r} 60 \\ -20 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ -27 \\ \hline \end{array}$	$\begin{array}{r} 93 \\ -26 \\ \hline \end{array}$	$\begin{array}{r} 52 \\ -17 \\ \hline \end{array}$	$\begin{array}{r} 47 \\ -28 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

5.	$\begin{array}{r} 86 \\ -38 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ -18 \\ \hline \end{array}$	$\begin{array}{r} 42 \\ -19 \\ \hline \end{array}$	$\begin{array}{r} 96 \\ -39 \\ \hline \end{array}$	$\begin{array}{r} 63 \\ -27 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ -68 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

6.	$\begin{array}{r} 53 \\ -17 \\ \hline \end{array}$	$\begin{array}{r} 92 \\ -45 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ -18 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ -17 \\ \hline \end{array}$	$\begin{array}{r} 63 \\ -45 \\ \hline \end{array}$	$\begin{array}{r} 52 \\ -13 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

Lesson 1.7 Adding Three Numbers

Add the ones.

$$\begin{array}{r} 23 \\ 47 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \diagdown \\ 7 \quad \quad 10 \\ +6 \quad +6 \\ \hline 16 \text{ or } 10 + 6 \end{array}$$

$$\begin{array}{r} \\ 23 \\ 47 \\ +16 \\ \hline 6 \end{array}$$

Add the tens.

$$\begin{array}{r} \\ 23 \\ 47 \\ +16 \\ \hline 86 \end{array} \quad \begin{array}{l} \text{addend} \\ \text{addend} \\ \text{addend} \\ \text{sum} \end{array}$$

Add.

	a	b	c	d	e	f
1.	$\begin{array}{r} 13 \\ 26 \\ +45 \\ \hline 84 \end{array}$	$\begin{array}{r} 7 \\ 29 \\ +56 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ 23 \\ +25 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ 7 \\ +34 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 13 \\ +29 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ 30 \\ +50 \\ \hline \end{array}$

2.	$\begin{array}{r} 22 \\ 31 \\ +45 \\ \hline \end{array}$	$\begin{array}{r} 19 \\ 21 \\ +32 \\ \hline \end{array}$	$\begin{array}{r} 29 \\ 16 \\ +15 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ 15 \\ +25 \\ \hline \end{array}$	$\begin{array}{r} 42 \\ 21 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 26 \\ 23 \\ +35 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

3.	$\begin{array}{r} 11 \\ 30 \\ +42 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ 16 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 7 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 34 \\ 16 \\ +41 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ 23 \\ +35 \\ \hline \end{array}$	$\begin{array}{r} 29 \\ 31 \\ +25 \\ \hline \end{array}$
-----------	--	--	---	--	--	--

4.	$\begin{array}{r} 82 \\ 5 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 33 \\ 47 \\ +12 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ 5 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ 32 \\ +16 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ 29 \\ +16 \\ \hline \end{array}$	$\begin{array}{r} 53 \\ 21 \\ +15 \\ \hline \end{array}$
-----------	---	--	---	--	--	--

5.	$\begin{array}{r} 66 \\ 21 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 47 \\ 13 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 22 \\ 41 \\ +28 \\ \hline \end{array}$	$\begin{array}{r} 23 \\ 15 \\ +17 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ 16 \\ +24 \\ \hline \end{array}$	$\begin{array}{r} 23 \\ 35 \\ +17 \\ \hline \end{array}$
-----------	--	--	--	--	--	--

Lesson 1.8 Addition and Subtraction Practice

Add or subtract.

	a	b	c	d	e	f
1.	$\begin{array}{r} 23 \\ -10 \\ \hline \end{array}$	$\begin{array}{r} 76 \\ +21 \\ \hline \end{array}$	$\begin{array}{r} 82 \\ -19 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ 7 \\ +13 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ +35 \\ \hline \end{array}$	$\begin{array}{r} 76 \\ -30 \\ \hline \end{array}$

2.	$\begin{array}{r} 20 \\ +50 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ -13 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ 13 \\ +23 \\ \hline \end{array}$	$\begin{array}{r} 76 \\ -43 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ -45 \\ \hline \end{array}$	$\begin{array}{r} 92 \\ -79 \\ \hline \end{array}$
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3.	$\begin{array}{r} 26 \\ +58 \\ \hline \end{array}$	$\begin{array}{r} 96 \\ -17 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 79 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ 12 \\ +42 \\ \hline \end{array}$
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4.	$\begin{array}{r} 86 \\ -19 \\ \hline \end{array}$	$\begin{array}{r} 77 \\ +16 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ -29 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 82 \\ -42 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ -39 \\ \hline \end{array}$
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5.	$\begin{array}{r} 57 \\ -43 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ +30 \\ \hline \end{array}$	$\begin{array}{r} 41 \\ -22 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ 42 \\ +13 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ +53 \\ \hline \end{array}$
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6.	$\begin{array}{r} 81 \\ -79 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ +34 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ +13 \\ \hline \end{array}$	$\begin{array}{r} 92 \\ -36 \\ \hline \end{array}$	$\begin{array}{r} 37 \\ -24 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ + 5 \\ \hline \end{array}$
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Lesson 1.9 Problem Solving**SHOW YOUR WORK**

Solve each problem.

- 1.** Philip has 52 marbles. His friend, Edgar, has 39 marbles. How many marbles do they have in all?
Philip has _____ marbles.
Edgar has _____ marbles.
They have _____ marbles in all.
- 2.** Susan has 3 cats. George has 23 fish. Maria has 2 birds. How many pets do they have together?
Susan has _____ cats.
George has _____ fish.
Maria has _____ birds.
Together they have _____ pets.
- 3.** Mr. Williams' third-grade class has 27 students. Mrs. Nakagawa's third-grade class has 31 students. How many third-grade students are there?
Mr. Williams has _____ students.
Mrs. Nakagawa has _____ students.
Together, there are _____ students.
- 4.** There are 36 adults and 17 children at the movie theater. How many people are at the movie theater?
There are _____ people at the movie theater.
- 5.** Kyle has 77 baseball trading cards. If Omar gives Kyle 13 baseball trading cards, how many trading cards will Kyle have?
Kyle will have _____ baseball trading cards.

1.**2.****3.****4.****5.**