

**Student Activity Book**

**Use Expanded Form to Subtract  
(SAB pp. 455–456)  
Questions 1–5**

1. A. 21  
 B.  $57 = 50 + 7$   

$$\begin{array}{r} 36 = 30 + 6 \\ \underline{\phantom{00}20 + 1} \\ 21 \end{array}$$
2. A. 25  
 B.  $94 = 90 + 4 = 80 + 14$   

$$\begin{array}{r} 69 = 60 + 9 = 60 + 9 \\ \underline{\phantom{00}20 + 5} \\ 25 \end{array}$$
3. A. 81  
 B.  $167 = 100 + 60 + 7 = 160 + 7$   

$$\begin{array}{r} 86 = 80 + 6 = 80 + 6 \\ \underline{\phantom{00}80 + 1} \\ 81 \end{array}$$
4.  $273 = 200 + 70 + 3 = 200 + 60 + 13$   

$$\begin{array}{r} 154 = 100 + 50 + 4 = 100 + 50 + 4 \\ \underline{\phantom{00}100 + 10 + 9} \\ 119 \end{array}$$
5. A. Estimates will vary. Possible response: I think about friendly numbers.  $93 - 47$  is about 50.  $100 - 50 = 50$ .



C.  $93 = 90 + 3 = 80 + 13$   

$$\begin{array}{r} 47 = 40 + 7 = 40 + 7 \\ \underline{\phantom{00}40 + 6} \\ 46 \end{array}$$

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**Use Expanded Form to Subtract**

Use base-ten pieces to solve each problem. Then solve them using expanded form.

1. A.  $57 - 36 = \underline{\hspace{2cm}}$   
 B.  $57 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$   
 $36 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$
2. A.  $94 - 69 = \underline{\hspace{2cm}}$   
 B.  $94 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$   
 $69 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$
3. A.  $167 - 86 = \underline{\hspace{2cm}}$   
 B.  $167 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$   
 $86 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$
4. Use expanded form to solve  $273 - 154$ .  
 $273 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$   
 $154 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

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✓ **Check-In: Question 5**

5. A. Show or tell how to estimate  $93 - 47$ .
- B. Use base-ten pieces to solve  $93 - 47$ . Draw 93 with base-ten shorthand and then show how you used the pieces to solve it.



- C. Show how to use expanded form to solve  $93 - 47$ .

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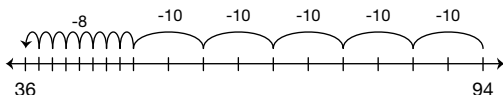
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**Check Subtraction with Addition**

(SAB pp. 457–458)

**Questions 1–3**

1. Yes, Elizabeth’s answer is correct. Responses will vary. Possible response: When she added her answer to the number she took away, she got the number she started with. I solved it another way to check:  $94 - 58$



2. **A.** Mark’s answer is not correct. Responses will vary. Possible response: Mark is not correct because he subtracted wrong. I can tell because when he checked his subtraction with addition, he should have gotten 93.

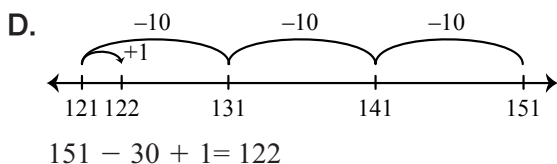
$$\begin{array}{r} 93 = 90 + 3 = 80 + 13 \\ 56 = 50 + 6 = 50 + 6 \\ \hline 30 + 7 = 37 \end{array}$$

**B.**  $37 + 56 = 93$

3. **A.** Estimates will vary. Possible strategy: 120; Think about friendly numbers on the 200 Chart and count back three rows. 150, 140, 130, 120.

**B.**  $151 = 100 + 50 + 1 = 100 + 40 + 11$   
 $29 = \quad 20 + 9 = \quad 20 + 9$   
 $\quad\quad\quad 100 + 20 + 2 = 122$

**C.**  $122 + 29 = 151$



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**Check Subtraction with Addition**

Elizabeth used expanded form to solve  $94 - 58$ .

$$\begin{array}{r} 94 = 90 + 4 = 80 + 14 \\ 58 = 50 + 8 = 50 + 8 \\ \hline 30 + 6 = 36 \end{array}$$

She used addition to check her answer.

$$\begin{array}{r} 36 \text{ (my answer)} \\ + 58 \text{ (the number I took away)} \\ 80 \\ - 14 \\ \hline 94 \text{ (the number I started with)} \end{array}$$

**Elizabeth**

When I add my answer (36) to the number I took away (58), I should get the number I started with, 94. So I know I am correct.

1. Do you agree with Elizabeth? Show or tell how you decided.

2. Mark solved  $93 - 56$ . His answer is 49.

**He used addition to check.**

$$\begin{array}{r} 49 \\ + 56 \text{ (my answer)} \\ \hline 105 \text{ (the number I took away)} \end{array}$$

**Mark**

Is this the number I started with?

**A.** Is his answer correct? If Mark’s answer is not correct, use expanded form and solve  $93 - 56$ .

**B.** Show how to use addition to check your answer.

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3. **A.** Estimate  $151 - 29$ . \_\_\_\_\_

**B.** Use expanded form to solve  $151 - 29$ .

**C.** Show how to use addition to check your answer.

**D.** Solve  $151 - 29$  another way.

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