

**Student Activity Book**

**Find the Correct Answers (SAB pp. 481–482) Questions 1–6**

1. Circle Solution A
- 2.\* Circle Solutions A and B
3. Circle Solution A
4. Circle Solutions B and C
5. Circle Solution A
6. Circle Solutions A and C

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**Find the Correct Answers**  
Solve each problem. Circle the correct solutions. There may be more than one.

Problem	Solution A	Solution B	Solution C
1. $\begin{array}{r} 77 \\ -39 \\ \hline \end{array}$		$\begin{array}{r} 63 \\ -47 \\ \hline 24 \end{array}$	$\begin{array}{r} 63 \\ -47 \\ \hline 26 \end{array}$
2. $\begin{array}{r} 92 \\ -05 \\ \hline \end{array}$		$\begin{array}{r} 90 \\ -26 \\ \hline 24 \end{array}$	$\begin{array}{r} 90 \\ -26 \\ \hline 36 \end{array}$
3. $\begin{array}{r} 14 \\ -39 \\ \hline \end{array}$		$\begin{array}{r} 41 \\ -39 \\ \hline 18 \end{array}$	$\begin{array}{r} 11 \\ -39 \\ \hline 12 \end{array}$

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Problem	Solution A	Solution B	Solution C
4. $\begin{array}{r} 78 \\ -38 \\ \hline \end{array}$		$\begin{array}{r} 37 \\ 38 \\ 39 \\ 57 \\ 58 \\ 59 \\ 67 \\ 68 \\ 69 \\ 77 \\ 78 \\ 79 \end{array}$	$\begin{array}{r} 78 = 70 + 8 \\ 38 = 30 + 8 \\ 40 + 0 = 40 \end{array}$
5. $\begin{array}{r} 27 \\ -19 \\ \hline \end{array}$		$\begin{array}{r} 27 \\ -19 \\ \hline 18 \end{array}$	$\begin{array}{r} 27 \\ -19 \\ \hline 12 \end{array}$
6. $\begin{array}{r} 61 \\ -19 \\ \hline \end{array}$		$\begin{array}{r} 61 \\ -19 \\ \hline 52 \end{array}$	$\begin{array}{r} 61 \\ -19 \\ \hline 42 \end{array}$

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\*Answers and/or discussion are included in the lesson.

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### Subtraction Strategies Practice

**Part 1**  
Solve each problem using two different strategies. Compare answers. Circle the strategy you like best.

One Strategy	Another Strategy
<p>1. A. Use the compact method.</p> $\begin{array}{r} 38 \\ - 24 \\ \hline \end{array}$	<p>B. Use mental math.</p> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 0 auto;"> <math>38 - 24 =</math> </div>
<p>2. A. Use expanded form to solve <math>86 - 38</math>.</p>	<p>B. Use the compact method.</p> $\begin{array}{r} 86 \\ - 38 \\ \hline \end{array}$
<p>3. A. Use mental math.</p> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 0 auto;"> <math>59 - 30 =</math> </div>	<p>B. Choose another strategy to solve <math>59 - 30</math>.</p>

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One Strategy	Another Strategy
<p>4. A. Use expanded form to solve <math>141 - 126</math>.</p> $141 =$ $126 =$	<p>B. Use counting up.</p> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 0 auto;"> <math>141 - 126 =</math> </div>
<p>5. A. Use mental math.</p> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 0 auto;"> <math display="block">\begin{array}{r} 162 \\ - 48 \\ \hline \end{array}</math> </div>	<p>B. Use the compact method.</p> $\begin{array}{r} 162 \\ - 48 \\ \hline \end{array}$
<p>6. A. Use mental math.</p> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 0 auto;"> <math display="block">\begin{array}{r} 60 \\ - 29 \\ \hline \end{array}</math> </div>	<p>B. Use expanded form to solve <math>60 - 29</math>.</p> $60 =$ $29 =$

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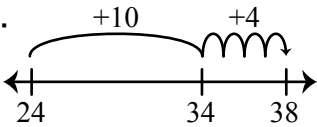
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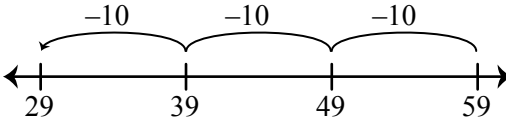
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**Practice Subtraction Strategies**  
(SAB pp. 483–486)


**Questions 1–12**

1. A.  $14$ ;  $\begin{array}{r} 38 \\ - 24 \\ \hline 14 \end{array}$       B.   
 $24 \quad 34 \quad 38$   
 $10 + 4 = 14$

2. A.  $48$ ;  $86 = 80 + 6 = 70 + 16$       B.  $\begin{array}{r} 716 \\ 86 \\ \hline 38 = 30 + 8 = 30 + 8 \\ 40 + 8 = 48 \end{array}$

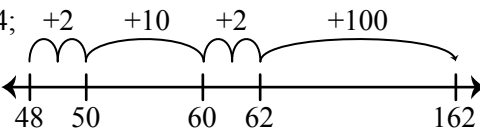
3. A.  $29$ ; Possible response:  


B. Possible response:

  
 $20 + 9 = 29$

4. A.  $15$ ;  $141 = 100 + 40 + 1 = 100 + 30 + 11$   
 $126 = 100 + 20 + 6 = 100 + 20 + 6$   
 $10 + 5 = 15$

B.  $126 + 4 = 130$   
 $130 + 10 = 140$   
 $140 + 1 = 141$   
 $4 + 10 + 1 = 15$

5. A.  $114$ ; 

B.  $\begin{array}{r} 512 \\ 162 \\ \hline 29 = 20 + 9 = 20 + 9 \\ 30 + 1 = 31 \end{array}$

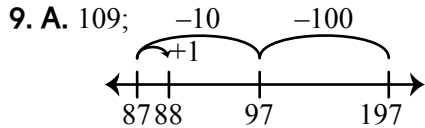
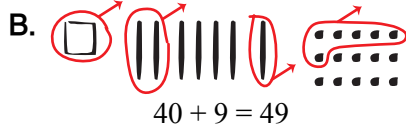
6. A.  $31$ ; 6 tens minus 3 tens is 3 tens. 29 is 1 less than 30, so I added 1 back.

B.  $60 = 60 + 0 + 50 + 10$   
 $29 = 20 + 9 + 20 + 9$   
 $30 + 1 = 31$

**7. A.**  $38; 81 = 80 + 1 = 70 + 11$   
 $43 = 40 + 3 = 40 + 3$   

$$\begin{array}{r} 81 \\ - 43 \\ \hline 38 \end{array}$$
**B.**  $7 \overline{) 81}$   
 $81$   
 $- 43$   
 $\hline 38$

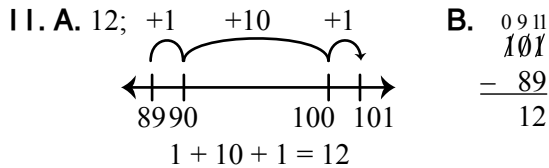
**8. A.**  $49; 125¢ + 1¢ = 126¢$   
 $175¢ - 125¢ = 50¢$   
 $50¢ - 1¢ = 49¢$



**B.**  $197 = 100 + 90 + 7 = 100 + 80 + 17$   
 $88 = 80 + 8 = 80 + 8$   

$$\begin{array}{r} 100 \\ + 9 \\ \hline 109 \end{array}$$

**10. A.**  $74;$  
$$\begin{array}{r} 1412 \\ 232 \\ - 178 \\ \hline 74 \end{array}$$
 **B.** Possible strategy:  
 $178 + 2 = 180$   
 $180 + 20 = 200$   
 $200 + 52 = 252$   
 $2 + 20 + 52 = 74$



**12. A.**  $34;$  Possible strategy: 
$$\begin{array}{r} 912 \\ 102 \\ - 68 \\ \hline 34 \end{array}$$
 **B.**  $102 - 3 = 99$   
 $99$   
 $- 68$   
 $\hline 31 + 3 = 34$

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**Part 2**  
 Solve each problem using two different strategies. Compare answers. Circle the strategy you think is more efficient.

One Strategy	Another Strategy
<b>7. A.</b> Use expanded form to solve $81 - 43$ . $81 =$ $43 =$	<b>B.</b> Use the compact method. $81$ $- 43$ $\hline$
<b>8. A.</b> Use mental math. $175 - 126 =$	<b>B.</b> Use base-ten shorthand to solve $175 - 126$ .
<b>9. A.</b> Use mental math. $197$ $- 88$ $\hline$	<b>B.</b> Use expanded form to solve $197 - 88$ . $197 =$ $88 =$

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One Strategy	Another Strategy
<b>10. A.</b> Use the compact method. $252$ $- 178$ $\hline$	<b>B.</b> Choose another strategy to solve $252 - 178$ .
<b>11. A.</b> Use mental math. $101$ $- 89$ $\hline$	<b>B.</b> Use the compact method. $101$ $- 89$ $\hline$
<b>12. A.</b> Choose a strategy to solve $102 - 68$ .	<b>B.</b> Use mental math. $102 - 68 =$

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### Subtraction Strategies Quiz

Richard, Kim, and Jessie solved  $75 - 48$  using different methods. Use the *Subtraction Strategies Menu* in the Reference section.

Richard's Solution	Kim's Solution	Jessie's Solution
$\begin{array}{r} 6 \text{ } 15 \\ 75 \\ - 48 \\ \hline 27 \end{array}$		$\begin{array}{r} 75 = 70 + 5 = 60 + 15 \\ 48 = 40 + 8 = 40 + 8 \\ \hline 20 + 7 = 27 \end{array}$

1. Kim traded 1 skinny for 10 bits. How did Richard show that he made a trade?
2. How did Jessie show that she made a trade?
3. Solve  $75 - 48$  using a mental math strategy.

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4. **A.** Show how to check Jerome's work with addition.
 
$$\begin{array}{r} 15 \\ 184 \\ - 65 \\ \hline 129 \end{array}$$
- B.** Do you agree with Jerome's answer? If not, solve the problem again.

5. **A.** Estimate  $150 - 117$ . \_\_\_\_\_  
**B.** Solve using a paper-and-pencil strategy.

6. **A.** Estimate  $142 - 61$ . \_\_\_\_\_  
**B.** solve using any strategy
- C.** How do you know your answer is reasonable?
- D.** Solve the problem another way to check your answer.

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**Subtraction Strategies Quiz**

**(SAB pp. 491–492)**

**Questions 1–6**

1. Richard showed he made a trade like Kim's by crossing out the 7 tens and writing 6 tens. He added 10 ones to the 5 ones so he crossed out the 5 and wrote 15.
2. Jessie showed that she traded a ten for ten ones by writing  $60 + 15$  instead of  $70 + 5$ .

3.  $75 - 48 = 27$ ; Possible mental math strategy:

$$48 + (2) = 50$$

$$50 + (20) = 70$$

$$70 + (5) = 75$$

$$2 + 20 + 5 = 27$$

4. **A.**  $129 + 65 = 194$ , not 184 so Jerome made a mistake.

**B.** No, Jerome is not correct. Possible strategy:

$$\begin{array}{r} 7 \text{ } 14 \\ 184 \\ - 65 \\ \hline 119 \end{array}$$

5. **A.** Estimates will vary; Estimate:

$$150 - 120 = 30$$

**B.**

$$\begin{array}{r} 4 \text{ } 10 \\ 150 \\ - 117 \\ \hline 33 \end{array}$$

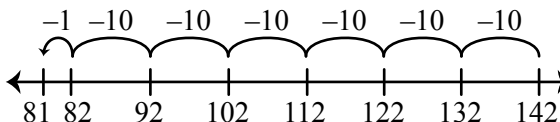
6. **A.** Estimates will vary; Estimate:

$$60 + 80 = 140, \text{ so } 140 - 60 = 80$$

**B.** Possible strategy using mental math:  $142 - 61 = 81$ ;  $140 - 60$  is 80 plus 2 and minus 1 is 81.

**C.** Possible response: I think my answer is reasonable because I compared it to my estimate and they are close.

**D.** Possible strategy:



**Teacher Guide**

**My Favorite Way (TG pp. 1–2)  
Homework  
Questions 1–4**

1. 
$$\begin{array}{r} 114 \\ 124 \\ - 115 \\ \hline 9 \end{array}$$
  $115 + 9 = 124$


2.  $97 + 3 = 100$   $106 + 97 = 203$   
 $100 + 100 = 200$   
 $200 + 3 = 203$   
 $3 + 100 + 3 = 106$

3.  $82 = 80 + 2 = 70 + 12$   $45 + 37 = 82$   
 $37 = 30 + 7 = 30 + 7$   
 $40 + 5 = 45$

4. A–D. Strategies will vary.

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**My Favorite Way**



Dear Family Member:

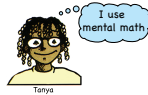
Students should have a collection of methods that they find useful for solving problems, and they should understand the methods described by others. Students who are confident in using a variety of strategies will be able to begin to choose the strategy most efficient for any given problem. Please allow your child to explain his or her favorite subtraction strategy to you.

Thank you.

**Each of the students below used their favorite way to subtract. Finish their work. Check it with addition.**

1.  $124 - 115 =$  Check it with addition:  
 Shannon's method:  

$$\begin{array}{r} 124 \\ - 115 \\ \hline \end{array}$$

2.  $203 - 97 =$  Check it with addition:  
 Tanya's method:  
  
 Tanya

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3.  $82 - 37 =$  Check it with addition:  
 Chris's method:  
 $82 = 80 + 2 = \underline{\quad} + \underline{\quad}$   
 $37 = \underline{\quad} + \underline{\quad} = \underline{\quad} + \underline{\quad}$

4. **A.** Use your favorite subtraction strategy to solve  $153 - 127$ . Show your work.

**B.** Check your work with addition.

**C.** Why is this way your favorite?

**D.** Do you think it was an efficient way to solve this problem? Why or why not?

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