

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. $\begin{array}{r} 78 \\ - 38 \\ \hline \end{array}$		$\begin{array}{r} 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 45 \\ 46 \\ 47 \\ 48 \\ 49 \\ 50 \\ 51 \\ 52 \\ 53 \\ 54 \\ 55 \\ 56 \\ 57 \\ 58 \\ 59 \\ 60 \\ 61 \\ 62 \\ 63 \\ 64 \\ 65 \\ 66 \\ 67 \\ 68 \\ 69 \\ 70 \\ 71 \\ 72 \\ 73 \\ 74 \\ 75 \\ 76 \\ 77 \\ 78 \\ 79 \\ 80 \\ 81 \\ 82 \\ 83 \\ 84 \\ 85 \\ 86 \\ 87 \\ 88 \\ 89 \\ 90 \\ 91 \\ 92 \\ 93 \\ 94 \\ 95 \\ 96 \\ 97 \\ 98 \\ 99 \\ 100 \end{array}$	$\begin{array}{r} 78 = 70 + 8 \\ 38 = 30 + 8 \\ 40 + 0 = 40 \end{array}$
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. $\begin{array}{r} 61 \\ - 19 \\ \hline \end{array}$	$\begin{array}{r} 61 - 2 = 59 \\ 59 \\ - 19 \\ \hline 40 + 2 = 42 \end{array}$	$\begin{array}{r} 61 \\ - 19 \\ \hline 52 \end{array}$	$\begin{array}{r} 61 \\ - 19 \\ \hline 42 \end{array}$

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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><b>1. A.</b> Use the compact method.</p> $\begin{array}{r} 38 \\ - 24 \\ \hline \end{array}$	<p><b>B.</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><b>2. A.</b> Use expanded form to solve <math>86 - 38</math>.</p>	<p><b>B.</b> Use the compact method.</p> $\begin{array}{r} 86 \\ - 38 \\ \hline \end{array}$
<p><b>3. A.</b> 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>B.</b> Choose another strategy to solve <math>59 - 30</math>.</p>

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One Strategy	Another Strategy
<p><b>4. A.</b> Use expanded form to solve <math>141 - 126</math>.</p> $141 =$ $126 =$	<p><b>B.</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><b>5. A.</b> 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>B.</b> Use the compact method.</p> $\begin{array}{r} 162 \\ - 48 \\ \hline \end{array}$
<p><b>6. A.</b> 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>B.</b> Use expanded form to solve <math>60 - 29</math>.</p> $60 =$ $29 =$

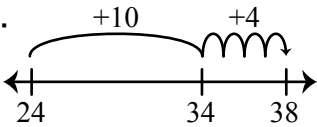
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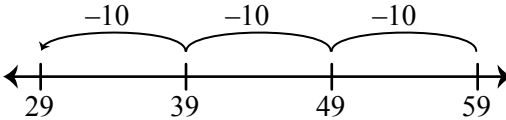
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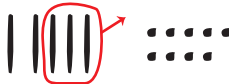
**Practice Subtraction Strategies (SAB pp. 483–486)**

**Questions 1–12**

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

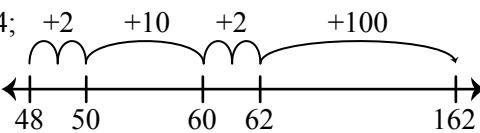
**2. A.**  $48$ ;  $86 = 80 + 6 = 70 + 16$       **B.**  $\begin{array}{r} 716 \\ 86 \\ \hline 38 = 30 + 8 = 30 + 8 \\ 40 + 8 = 48 \end{array}$

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

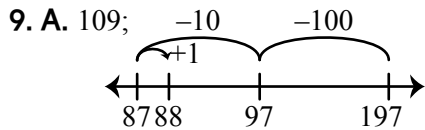
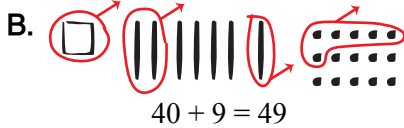
**6. A.**  $31$ ; 6 tens minus 3 tens is 3 tens. 29 is 1 less than 30, so I added 1 back.

**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.  $71$   
 $81$   
 $-43$   
 $38$

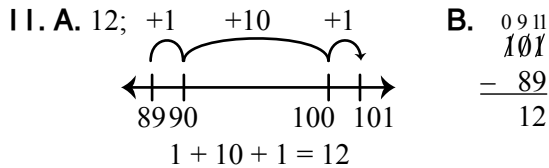
8. A. 49;  $125¢ + 1¢ = 126¢$   
 $175¢ - 125¢ = 50¢$   
 $50¢ - 1¢ = 49¢$



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

$$\begin{array}{r} 100 \\ + 90 \\ + 7 \\ \hline 197 \end{array}$$

10. A. 74; 
$$\begin{array}{r} 11412 \\ 232 \\ -178 \\ \hline 74 \end{array}$$
 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.  $102 - 3 = 99$   
 $99$   
 $-68$   
 $31 + 3 = 34$

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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
7. A. Use expanded form to solve $81 - 43$ . $81 =$ $43 =$	B. Use the compact method. $81$ $-43$ $38$
8. A. Use mental math. $175 - 126 =$	B. Use base-ten shorthand to solve $175 - 126$ .
9. A. Use mental math. $197$ $-88$ $109$	B. Use expanded form to solve $197 - 88$ . $197 =$ $88 =$

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One Strategy	Another Strategy
10. A. Use the compact method. $252$ $-178$ $74$	B. Choose another strategy to solve $252 - 178$ .
11. A. Use mental math. $101$ $-89$ $12$	B. Use the compact method. $101$ $-89$ $12$
12. A. Choose a strategy to solve $102 - 68$ .	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.

<p><b>Richard's Solution</b></p> $\begin{array}{r} 6\ 15 \\ 75 \\ -48 \\ \hline 27 \end{array}$	<p><b>Kim's Solution</b></p> 	<p><b>Jessie's Solution</b></p> $\begin{array}{l} 75 = 70 + 5 = 60 + 15 \\ 48 = 40 + 8 = 40 + 8 \\ \hline 20 + 7 = 27 \end{array}$
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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:

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

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

$$150 - 120 = 30$$

**B.**

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

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:

