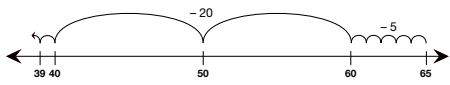


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### Subtraction Strategies

Jerome, Tanya, and Nila started working on the problem  $65 - 28$ . They had to stop for a tornado drill.

- Solve:  $65 - 28 = \square$
- Jerome drew a number line. Finish Jerome's number line sketch. Where will he land?
 
- Tanya counted up from 28. She wrote these notes:
  - Fill in the circle and blanks to help Tanya finish.
 
$$28 + \textcircled{30} = 58$$

$$58 + \textcircled{\phantom{0}} = 65$$
 So the answer is  $30 + \underline{\phantom{00}} = \underline{\phantom{00}}$
  - Describe Tanya's strategy in words.

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- Nila started subtracting 28 from 65 by using expanded form. Help Nila finish subtracting.
 
$$65 = 60 + 5 = 50 + \underline{\phantom{00}}$$

$$\underline{28} = \underline{20 + 8} = \underline{20 + 8}$$

$$30 + \underline{\phantom{00}} = \underline{\phantom{00}}$$
- Solve  $72 - 47$  using Jerome's, Tanya's, or Nila's strategy. Explain your thinking.

**Check-In: Questions 6-7**

- Solve the problems below using mental math, sketching a number line, or making a few quick notes.
 

A. $23 - 8 = \square$	B. $230 - 80 = \square$
C. $78 - 40 = \square$	D. $200 - 150 = \square$
E. $200 - 25 = \square$	F. $205 - 197 = \square$
G. $86 - 48 = \square$	H. $57 - 29 = \square$
- Explain your strategy for Question 6F.

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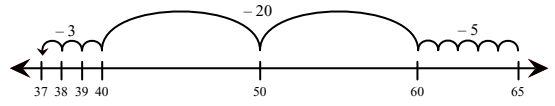
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Subtraction Strategies (SAB pp. 219–220)  
Questions 1–7

1. 37

2.



3. A.  $28 + \textcircled{30} = 58$

$$58 + \textcircled{7} = 65$$

$$30 + 7 = 37$$

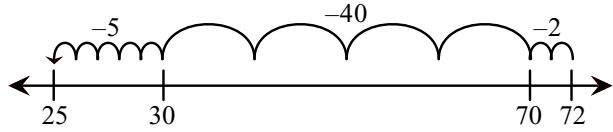
B. I count 3 tens from 28: 38, 48, 58 and that's 30. Then I count up 7 more to get to 65. 30 and 7 is 37.

4.  $65 = 60 + 5 = 50 + 15$

$$\underline{28} = \underline{20 + 8} = \underline{20 + 8}$$

$$30 + 7 = 37$$

5. Jerome's strategy:



Tanya's strategy:

$$47 + \textcircled{20} = 67$$

$$67 + \textcircled{5} = 72$$

$$20 + 5 = 25$$

Nila's strategy:

$$\underline{72} = \underline{70 + 2} = \underline{60 + 12}$$

$$\underline{47} = \underline{40 + 7} = \underline{40 + 7}$$

$$20 + 5 = 25$$

6. A. 15      B. 150

C. 38      D. 50

E. 175      F. 8

G. 38      H. 28

7. Possible responses:

$200 - 197 = 3$ ; add back in the 5 and its 8.

$$197 + \textcircled{3} = 200 \text{ and } 200 + \textcircled{5} = 205;$$

$$3 + 5 = 8.$$

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Homework (SAB pp. 221–222)


Questions 1–8

1. A. 9                      B. 39  
    C. 29                    D. 129  
    E. 90                    F. 95
2. A. 49                    B. 24  
    C. 57                    D. 32  
    E. 149                  F. 124
3. Strategies will vary. Possible response: I used Question 2B. I knew that  $100 - 76 = 24$ , so  $108 - 76$  is 8 more, or 32.
4. Strategies will vary. Possible response: I knew that  $100 - 50$  is 50, so  $100 - 51$  is one less or 49.  $200 - 51$  will be 100 more or 149.

5. A. 266                  B. 166  
    C. 130                  D. 30
6. Strategies will vary. Possible response:  $364 - 100 = 264$  and  $364 - 98$  will be two more, or 266.
7. A. 20                    B. 21  
    C. 51                    D. 6  
    E. 27                    F. 33
8. Strategies will vary. Possible response: For  $64 - 37$  I thought about  $64 - 40 = 24$ . I took off 3 too many so  $24 + 3 = 27$ ;  $64 - 37 = 27$ .

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Solve the problems below using mental math, sketching a number line, or making a few quick notes.

1. A.  $17 - 8 =$                       B.  $47 - 8 =$   
    C.  $47 - 18 =$                     D.  $147 - 18 =$   
    E.  $170 - 80 =$                   F.  $175 - 80 =$
2. A.  $100 - 51 =$                     B.  $100 - 76 =$   
    C.  $108 - 51 =$                     D.  $108 - 76 =$   
    E.  $200 - 51 =$                   F.  $200 - 76 =$
3. Explain how you solved the problem in Question 2D.
4. Explain how you solved the problem in Question 2E.

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5. A.  $364 - 98 =$                       B.  $364 - 198 =$   
    C.  $222 - 92 =$                     D.  $222 - 192 =$
6. Explain how you solved the problem in Question 5A.
7. A.  $50 - 30 =$                       B.  $50 - 29 =$   
    C.  $79 - 28 =$                     D.  $53 - 47 =$   
    E.  $64 - 37 =$                       F.  $71 - 38 =$
8. Explain how you solved the problem in Question 7E.

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