



## Unit 5 Open Response Assessment

### Using Multiplication Facts Strategies

Sonja is learning how to use more efficient strategies for multiplication. She learned about adding or subtracting a group, doubling, and near squares.

She used the adding-a-group strategy to solve  $6 \times 7 = ?$ . She explained:

“I will use the helper fact  $5 \times 7$ . I know that  $5 \times 7 = 35$ .  
I can add one more group of 7 to 35 to get 42.  
I now have 6 groups of 7, so I know  $6 \times 7 = 42$ .”

- ① Use a picture to show how Sonja solved the problem. Explain how your picture matches Sonja’s explanation.



## Unit 5 Open Response Assessment (continued)

- ② Choose at least one other efficient multiplication strategy, such as doubling or near squares, to solve  $6 \times 7 = ?$ . Use pictures and words to show how you solved the problem.

(Hint: What helper fact can you use?)