Properties and Problem
Solving Assessment Answer Key

1. D

2. B

3. A

4. D

5. C

6. C

7. B

8. Each group of 5 that is added makes a new ten or ten plus 5. Each new sum in the ones is either 5 + 5 or 0 + 5.

9. 5 boxes of 4 erasers is a different way of grouping. Both ways of grouping make the same total, or product, and involve the same factors. Drawings will vary. Students may draw groups or arrays.

10. Answers will vary. Maybe she wanted to find the number of pears in one box first. Maybe she thought it was easier to multiply by 10. Both ways are correct.

11. Answers may vary. For example, the 9 chairs in each row can be divided into 5 and 4. The total can then be found as 4 × 5 plus 4 × 4, or 20 + 16 = 36.

$4 \times 5 = 20$ $4 \times 4 = 16$