

Number Sequences

Find the missing numbers in each pattern. Write a rule for the pattern.

1. 19, 23, 27, ■, ■

2. 32, 26, 20, ■, ■

3. 125, 150, 175, ■, ■

4. 8, 15, ■, ■, 36

5. 90, 80, ■, ■, 50

6. 84, 69, 54, ■, ■

7. 30, 50, ■, 90, ■

8. 65, 56, ■, 38, ■

9. 35, ■, 57, 68, ■

- 10. Reasoning** The house numbers on Carr Memorial Avenue follow a pattern. The first four houses on the left side of the street are numbered 8, 14, 20, and 26. How many more houses are on the left side of the street with numbers less than 50?

- 11.** Noreen is beginning an exercise program. The first week she exercises 25 minutes each day. The second week she exercises 30 minutes a day and the third week she increases it to 35 minutes a day. If the pattern continues, how long will she exercise each day in the fifth week?

- 12. Explain It** What do you need to do to extend a pattern?

- 13.** John said that 52 is part of the pattern below. Mary said that 66 is part of the pattern below. Who is correct?
18, 26, 34, 42, ...

A Neither is correct.**B** Both are correct.**C** Only John is correct.**D** Only Mary is correct.