



## NUMBER PATTERNS AND SEQUENCES

### EXERCISE 1

Complete each number sequence by filling in the next three numbers.

- (a) 2, 4, 8, 16, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- (b) 1, 4, 7, 10, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- (c) 7, 14, 21, 28, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- (d) 2, 20, 200, 2000, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- (e) 6, 12, 18, 24, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.

### EXERCISE 2

Complete each number sequence by filling in the next three numbers.

- (a) 58, 68, 63, 73, 68 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- (b) 7, 8, 15, 23, 38 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- (c) 55, 34, 21, 13, 8, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- (d) 576, 288, 144, 72, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- (e) 47, 40, 45, 38, 43, 36, 41 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.

### EXERCISE 3

Write the next two numbers in each sequence below.

- (a) 2, 3, 5, 7, 11, \_\_\_\_\_, \_\_\_\_\_.
- (b) 21, 22, 24, 25, 26, \_\_\_\_\_, \_\_\_\_\_.
- (c) 1, 4, 9, 16, 25, \_\_\_\_\_, \_\_\_\_\_.
- (d) 47, 49, 51, 53, 55, 57, \_\_\_\_\_, \_\_\_\_\_.
- (e) 1, 8, 27, 64, \_\_\_\_\_, \_\_\_\_\_.
- (f) 53, 59, 61, 67, \_\_\_\_\_, \_\_\_\_\_.