Chapter 15: Patterns

Problem Set 53 | Q 1 | Page 84
Find the square numbers from the list given below.
5, 9, 12, 16, 50, 60, 64, 72, 80, 81

SOLUTION

9, 16, 64, 81, 4, 25, 49 are square numbers.

Problem Set 53 | Q 2 | Page 84
Which are the triangular numbers in the given list?
3, 6, 8, 9, 12, 15, 16, 20, 21, 42

SOLUTION

3, 6, 15, 21 are triangular numbers.

Problem Set 53 | Q 3 | Page 84
Name a number that is square as well as triangular.

SOLUTION

36 is a square as well as a triangular number.

Problem Set 53 | Q 4 | Page 84
If 4 is the first square number, which is the tenth one?

SOLUTION

121 is the tenth square number.

Problem Set 53 | Q 5 | Page 84
If 3 is the first triangular number, which is the tenth one?

SOLUTION

66 is the tenth triangular number.