

Numbers - Squares & Roots

Textbook Pages 14, 15

4. Suppose you list the factors of a perfect square.
Why is one factor a square root and not the other factors?

5. Find the square of each number.

- a) 4 b) 6
c) 2 d) 9

6. Find.

- a) 8^2 b) 3^2
c) 1^2 d) 7^2

11. The factors of each number are listed in ascending order.

Which numbers are square numbers?

How do you know?

- a) 225: 1, 3, 5, 9, 15, 25, 45, 75, 225
b) 500: 1, 2, 4, 5, 10, 20, 25, 50, 100, 125, 250, 500
c) 324: 1, 2, 3, 4, 6, 9, 12, 18, 27, 36, 54, 81, 108, 162, 324
d) 160: 1, 2, 4, 5, 8, 10, 16, 20, 32, 40, 80, 160

13. Find each square root.

- a) $\sqrt{1}$ b) $\sqrt{49}$
c) $\sqrt{144}$ d) $\sqrt{9}$
e) $\sqrt{16}$ f) $\sqrt{100}$
g) $\sqrt{625}$ h) $\sqrt{225}$