

Lesson 1.2: Squares and Square Roots

1. Find.
a) 6^2 b) 11^2 c) 5^2
2. Find a square root of each number.
a) 49 b) 64 c) 196
3. a) List the factors of each number in ascending order.
Which numbers are squares? How do you know?
i) 70 ii) 144 iii) 180
b) Find a square root of each square number in part a.
4. The factors of each number are listed in ascending order.
Which numbers are square numbers?
Find a square root of each square number.
a) 216: 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 27, 36, 54, 72, 108, 216
b) 196: 1, 2, 4, 7, 14, 28, 49, 98, 196
c) 441: 1, 3, 9, 21, 49, 147, 441
5. Find a number whose square root is 24.
6. Find the square root of each number.
a) 12^2 b) 15^2 c) 37^2
7. Find the square of each number.
a) $\sqrt{9}$ b) $\sqrt{121}$ c) $\sqrt{841}$