

1.3

Square Roots of Perfect Squares

GOAL

Use a variety of strategies to determine the square root of a perfect square.

Square Root: one of two equal factors of a number.

- Another way to think of it:

If you were to make a square, how long would 1 side be?

Ex) $\sqrt{49} = 7$ because $7 \times 7 = 49$ or $7^2 = 49$

Square Root Symbol: $\sqrt{\quad}$

Ex) $\sqrt{25}$ - "the square root of 25"

How to Find the Square Root:

- Draw a perfect square, the length of one side is the square root

Ex) Find the square root of 64

How to Find the Square Root:

-Find the prime factors, make two equal groups

Ex) $\sqrt{324}$