

Square Roots

Find the square or square root.

- 15^2 _____
- $\sqrt{64}$ _____
- 10^2 _____
- $-\sqrt{25}$ _____
- $\left(\frac{1}{4}\right)^2$ _____
- $\sqrt{196}$ _____
- $(2.11)^2$ _____
- $-\sqrt{\frac{1}{121}}$ _____
- $\left(\frac{2}{9}\right)^2$ _____
- $\sqrt{0.64}$ _____
- $(-8)^2$ _____
- $\sqrt{0.0036}$ _____

Estimate each square root to the nearest tenth.

- $\sqrt{24}$ _____
- $\sqrt{73}$ _____
- $\sqrt{146}$ _____
- $\sqrt{5}$ _____
- $\sqrt{101}$ _____
- $\sqrt{61}$ _____
- $\sqrt{300}$ _____
- $\sqrt{486}$ _____

Use a calculator to find each square root. Round to the nearest tenth.

- $\sqrt{21}$ _____
- $\sqrt{56}$ _____
- $\sqrt{13}$ _____
- $\sqrt{91}$ _____
- $\sqrt{110}$ _____
- $\sqrt{87}$ _____
- $\sqrt{250}$ _____
- $\sqrt{17}$ _____

Mixed Applications

- A square lot has an area of 160,000 square ft. What is the length of each side?

- A circle has a circumference of 35.2 cm. What is its diameter?

- What is the 6% sales tax on a computer that costs \$4,200?

- A square room has a floor area of 410 m². What is the length of each side to the nearest tenth of a meter?

NUMBER SENSE

- You know that there are whole numbers between any two perfect squares greater than 0. Between which of these pairs of perfect squares are there more whole numbers? Answer without calculating.
 - between 59^2 and 60^2 _____
 - between 590^2 and 591^2 _____