

Simplify

Add &

subtract

Multiply

Divide

How do you **SIMPLIFY** square roots?

Example 1:

$$\sqrt{300}$$

Example 2:

$$\sqrt{99}$$

Example 3:

$$\sqrt{162}$$

How do you **ADD & SUBTRACT** square roots?

Example 4:

$$3\sqrt{6} + 8\sqrt{6}$$

Example 5:

$$2\sqrt{7} + 9\sqrt{3} - 8\sqrt{7}$$

Example 6:

$$5\sqrt{3} - \sqrt{27}$$

How do you **MULTIPLY** square roots?

Example 7:

$$\sqrt{5} \cdot \sqrt{20}$$

Example 8:

$$\sqrt{8} \cdot 7\sqrt{8}$$

Example 9:

$$7\sqrt{2} \cdot 3\sqrt{18}$$

How do you **DIVIDE** square roots?

Example 10:

$$\sqrt{\frac{25}{49}}$$

Example 11:

$$\sqrt{\frac{72}{4}}$$

Example 12:

$$\sqrt{\frac{80}{81}}$$



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