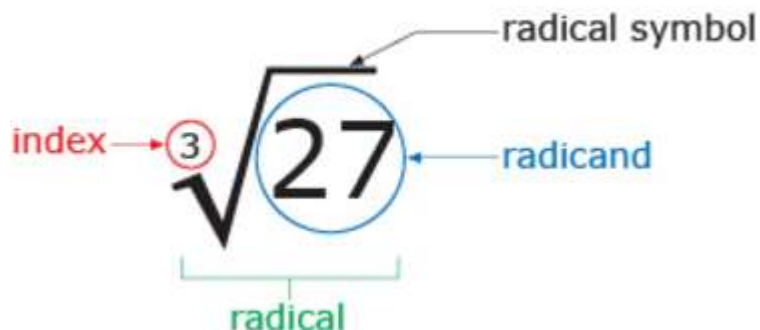


# How to Simplify a Radical

## Identifying parts

### Parts of a Radical



### How to simply:

1. Identify the index.
2. Break down the radicand to factors.
3. Group like factors.
4. If group has the same number of members as the index then a representative for the group will be placed in front.
5. Any factors that do not have a group remain inside the radical.

### Examples:

<b>1.</b> $\sqrt{48}$	<b>2.</b> $\sqrt{180}$
<b>3.</b> $\sqrt{294}$	<b>4.</b> $4\sqrt{50}$