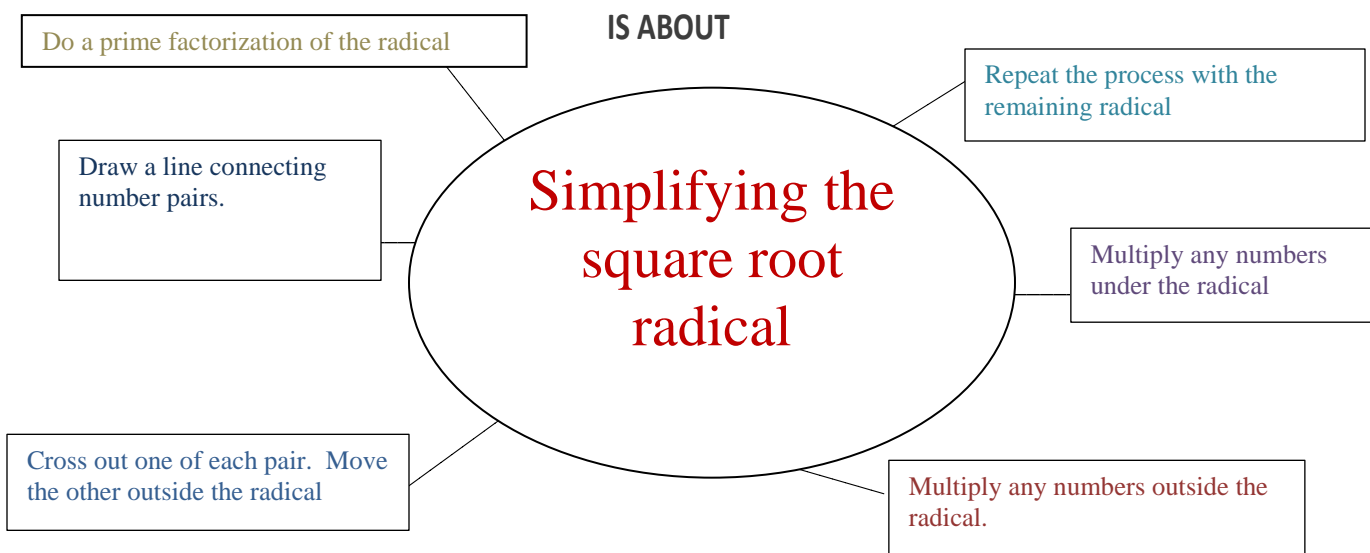




Simplifying the square root radical

Lesson Topic:
Simplifying square root radicals



DISCUSSION: Relationship -1) Lesson to Unit: This step allows you to put the radical in simplest form AND 2) Importance of Lesson to Daily Life: Algebra is required for completion of a college degree. Being able to identify factors of a number will help when dealing with ratios and fractions in daily life.

Self- Test Questions (Evaluation):

1. Are all the factors only divisible by only 1 and the number?
2. Have you taken the square root of all pairs?
3. Have you multiplied all numbers in front of the radical
4. Have you multiplied everything under the radical?
5. Have you completed the process with all terms?

Tasks/Strategies:

Create a factor tree for each radical and circle the prime factors.
Draw a line connecting any pairs of factors

Adapted from the Content Enhancement Series, The Lesson Organizer Routine, for use by Sturomski & Associates, 1997. Permission or use granted by B. Keith Lenz