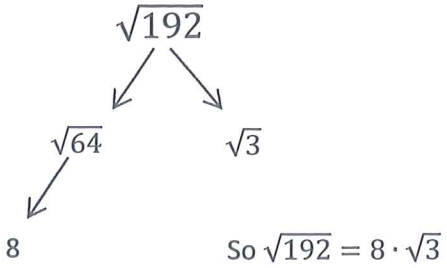
J. Simplifying Radicals

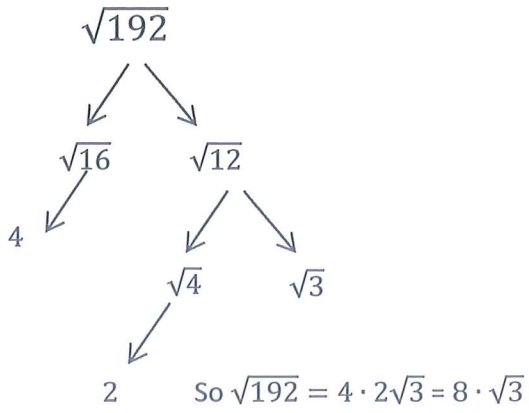
List of perfect squares:

Multiply	Perfect Square
2x2	4
3x3	9
4x4	16
5x5	25
6x6	36
7x7	49
Keep going	

Ex. Simplify the radical



OR



***Practice Simplifying Radicals: Simplify each radical.

1. $\sqrt{75}$ $5\sqrt{3}$

2. $\sqrt{36}$ 6

3. $\sqrt{80}$ $4\sqrt{5}$

4. $\sqrt{8}$ $2\sqrt{2}$

5. $\sqrt{32}$ $4\sqrt{2}$

6. $\sqrt{125}$ $5\sqrt{5}$

7. $\sqrt{175}$ $5\sqrt{7}$

8. $\sqrt{45}$ $3\sqrt{5}$

9. $\sqrt{20}$ $2\sqrt{5}$

10. $\sqrt{144}$ 12