**Perfect squares are numbers whose square roots are whole numbers.**

**25 is a perfect square because** $\sqrt{25}=5$ **(5 is a whole #)**

**7 is NOT a perfect square because** $\sqrt{7}=2.64575131……….$ **← That mess is definitely not a whole #**

**Complete the list below for the first 20 perfect squares:**

**1, 4, 9, 16,25, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**A skill that would be mighty helpful for next week is for you to be able to identify the largest number**

**In the list above that goes into another number evenly. That process is called simplifying a radical. Today, you’re only going to identify the largest number from the list above that goes into the number under the radical evenly.**

**Example: What is the largest number on the perfect squares list above that goes into 200?**

**Answer: 4 & 25 go into 200 evenly, but the biggest perfect square that goes into 200 evenly is 100**

**For each of the following numbers, find its largest perfect square divisor :**

**1. 72 \_\_\_\_\_ 2. 24 \_\_\_\_\_ 3. 27 \_\_\_\_\_**

**4. 32 \_\_\_\_\_ 5. 50 \_\_\_\_\_ 6. 15 \_\_\_\_\_**

**7. 98 \_\_\_\_\_ 8. 128 \_\_\_\_\_ 9. 810 \_\_\_\_\_**