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Topic 1: Rational and Irrational Numbers

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| **Across**  **5.** A number that is the square of an integer.  **8.** An arrangement of things in relation to each other according to a particular sequence or pattern.  **10.** The set of positive whole numbers and their opposites (negatives), and zero.  **11.** To find a number that is close to an exact answer.  **12.** A decimal that has the same digit, or block of digits that repeats without end. | **Down**  **1.** A number that when multiplied by itself, equals the original number.  **2.** A number that cannot be written as a fraction, includes decimals that never end and never repeat.  **3.** A decimal that ends.  **4.** The set of all rational and irrational numbers  **6.** The set of counting numbers, does not include zero.  **7.** A number that can be written as a fraction, includes terminating and repeating decimals.  **9.** The set of numbers that include zero and all natural numbers. |