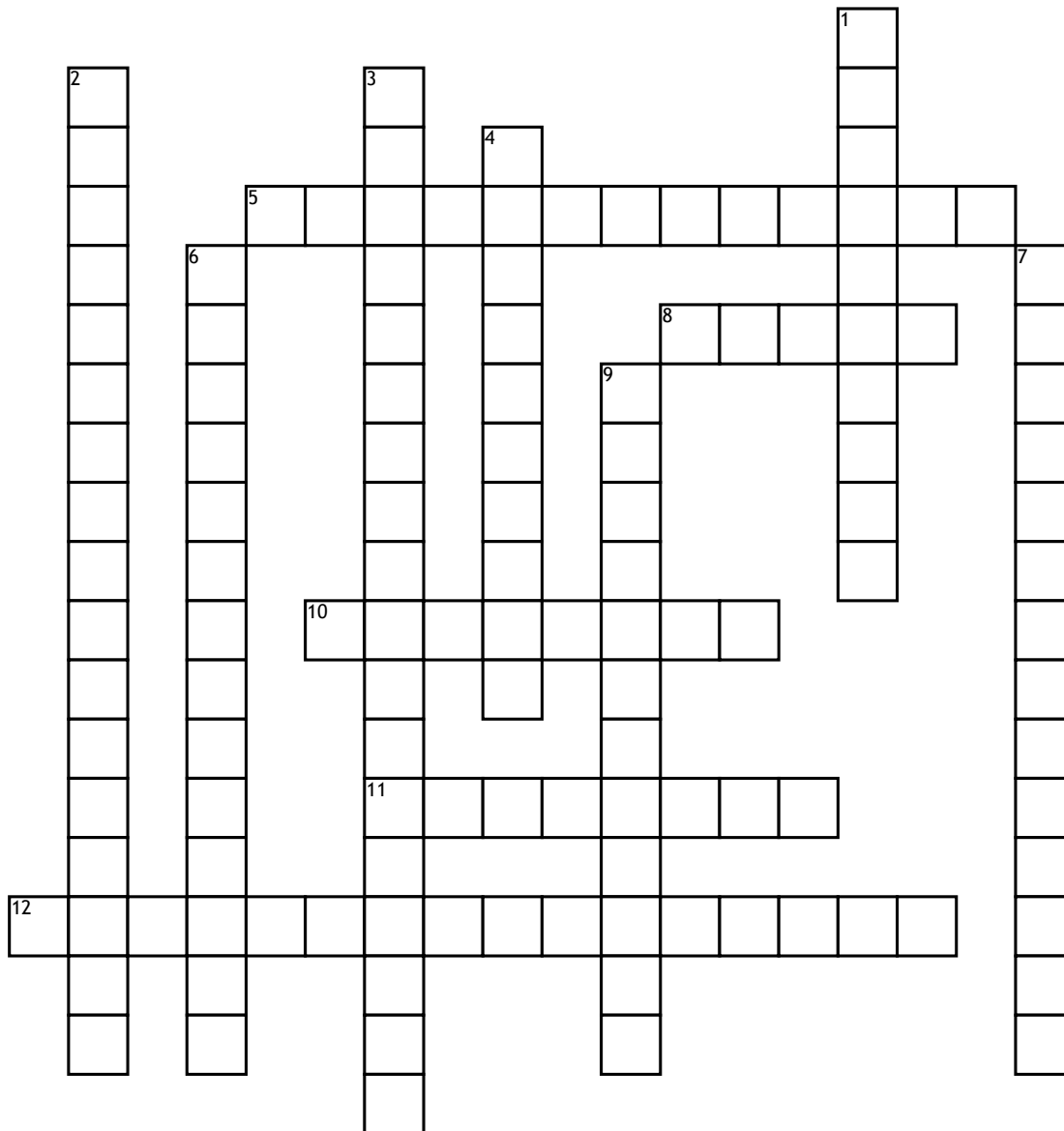


# Topic 1: Rational and Irrational Numbers



## 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.