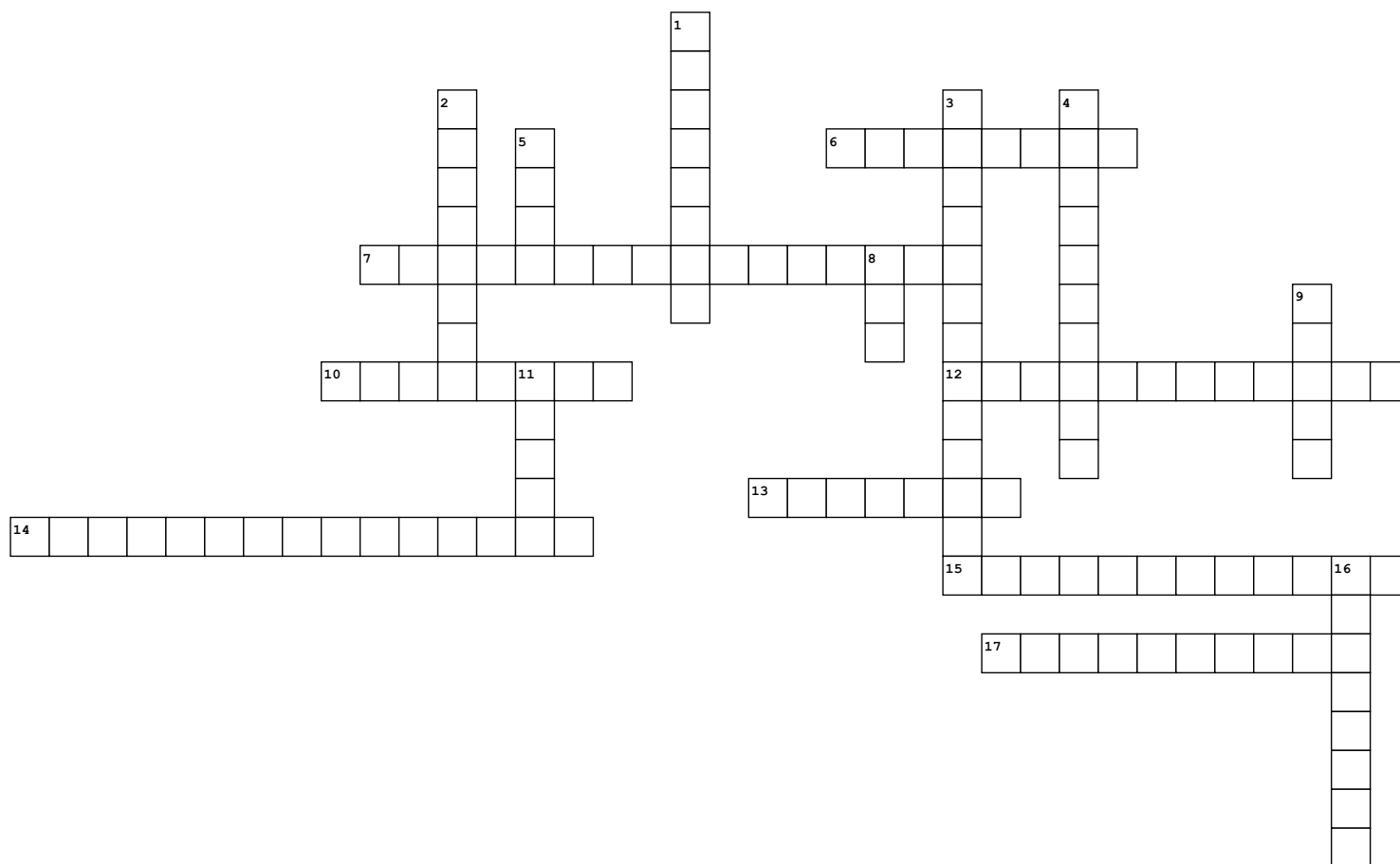


The Real Number System, Square Roots, Exponents



Across

6. What set of numbers include all whole numbers and their opposites?
7. A number whose square root is NOT a whole number.
10. What do you do with the exponents when a power is being raised to another power?
12. The answer of the power.
13. What set of numbers start at 1 and are all positive?
14. When repeated multiplication is simplified to be written as a power.
15. When you take a power and write out the expression using multiplication without exponents. (Hint: You stretch out the numbers)
17. The opposite of squaring a number.

Down

1. What do you do with the exponents when powers with the same base are being divided?
2. The little top number that tells you how many times to multiply the base by itself.
3. A number whose square root is a whole number.
4. What set of numbers include non-perfect squares and decimals that don't terminate or repeat?
5. The bottom number in a power.
8. What do you do with the exponents when powers with the same base are being multiplied?
9. What set of numbers include all natural numbers and zero?
11. The entire expression written in exponential form.
16. What set of numbers include all integers, fractions, and terminating/repeating decimals?