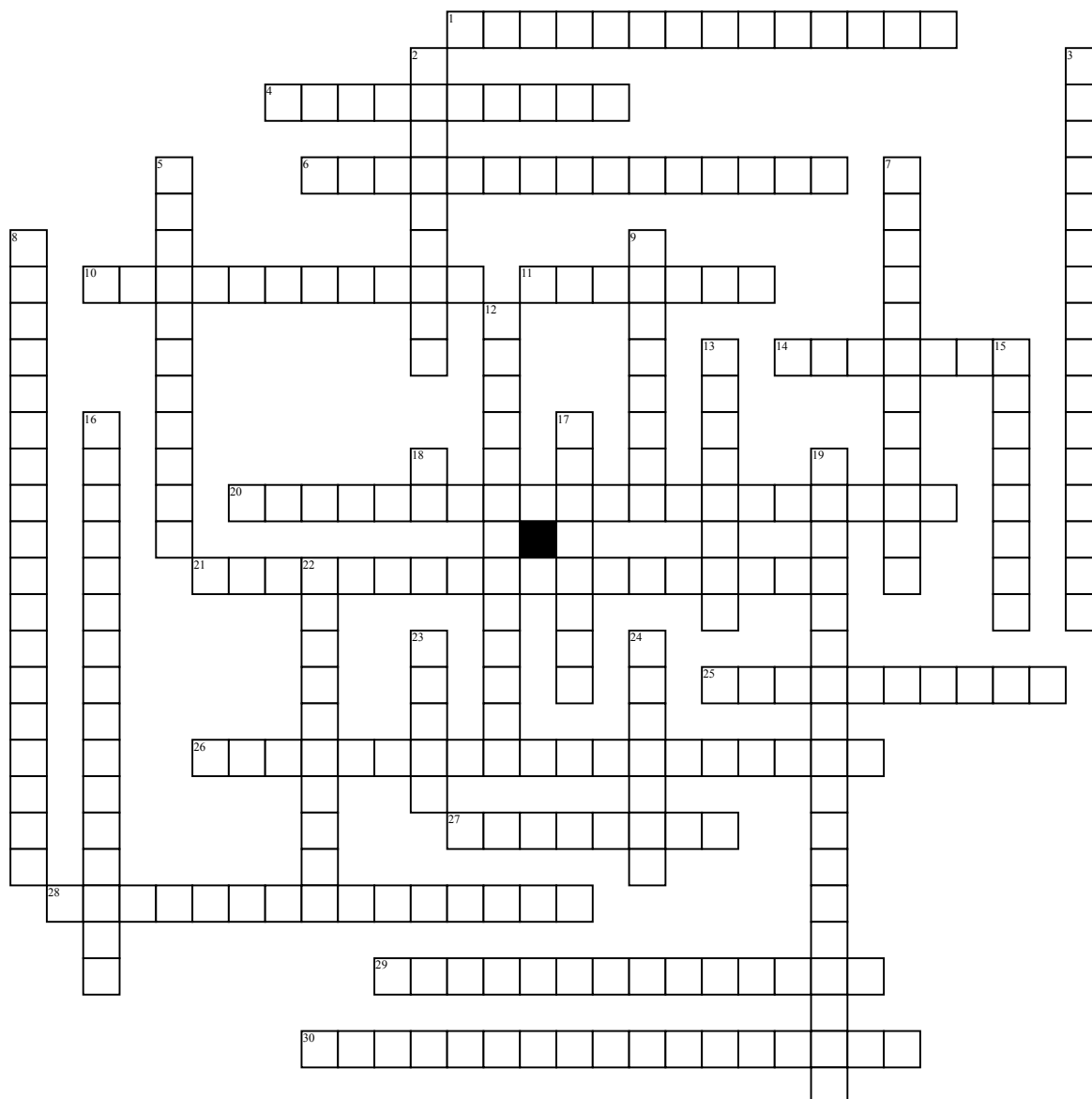# unit 5 vocabulary

Across

1. to a side other than the one opposite the right angle

4. Any of the symbols <, >, ≤, or ≥.

6. All positive and negative fractions, including integers and so-called improper fractions. Formally, rational numbers are the set of all real numbers that can be written as a ratio of integers with nonzero denominator.

10. A number used to multiply a variable

11. is the result of multiplying a number by itself

14. All positive and negative whole numbers (including zero). That is, the set {... , –3, –2, –1, 0, 1, 2, 3, ...}

20. is one of the most frequently used properties in math.

21. A^2+b^2=b^2

25. a number a is a number y such that y² = a, in other words, a number y whose square

26. are equations in which one variable increases, while the other decreases so that the ultimate product remains the same

27. is a number on its own, or sometimes a letter such as a, b or c to stand for a fixed number.

28. the distance between points

29. is a decimal that does not □ end

30. is a way of representing rational numbers in base 10 arithmetic

Down

2. is a measure of volume.

3. is an integer whose square root is not a whole number

5. the repeating figure or figures of a recurring decimal fraction

7. never repeats itself

8. consists of three positive integers a, b, and c, such that a 2 + b 2 = c 2.

9. letters or other symbols that represent unknown numbers or values

12. modulus |x| of a real number x is the non-negative value of x without regard to its sign

13. a number thet when multiplied three time equals a given number

15. The value you want to take the root of

16. The quantity which cancels out the a given quantity. There are different kinds of inverses for different operations

17. the longest side of the

18. is a name given to the ratio of the circumference of a circle to the diameter

19. doesn't keep going

22. the side of the right triangle opposite the right angle

23. a solid bounded by six equals squares, the angle between any two adjacent faces being a right angle

24. a quantity forming or expressed as the root of another.