

**4th Grade Charleston County School District Mathematics
Vocabulary Study Guide Answer Key**

Vocabulary Term	Definition
1. place value	the relative worth of each digit in a number; determined by its position
2. divisibility rules	a procedure to determine whether a whole number can be divided equally by another whole number without doing the division
3. multiplication	the operation used with whole numbers to find the total number of things in a group
4. product	the result of multiplication
5. factor	a number being multiplied in a multiplication problem
6. division	the operation used to find how a total amount can be separated into an equal number of groups
7. divisor	the number that divides another number in a division problem
8. dividend	the number that is divided in a division problem
9. quotient	the answer in a division problem
10. decimal	a number written in standard notation containing a decimal point

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11. equivalent fractions	fractions that have different numerators and denominators but have the same amount
12. improper fraction	a fraction whose numerator is greater than or equal to its denominator
13. mixed number	a number that is written using both a whole number and a fraction
14. numeric pattern	a pattern that consists only of numbers
15. nonnumeric pattern	a pattern that consists of letters, symbols and/or pictures
16. repeating pattern	a pattern whose elements repeat in groups
17. expression	a group of mathematical symbols (numbers, operations, variables, grouping symbols) that can represent a number
18. equation	a mathematical statement that two expressions are equal
19. grouping symbols	symbols such as parentheses (), brackets [], or braces { }, that indicate the order in which operations in an expression are to be done
20. variable	a letter or symbol that represents a number

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21. point	an exact location in space represented by a dot
22. line	a straight, continuous, unending set of points
23. line segment	part of a line that has two endpoints
24. ray	part of a line that starts at an endpoint and goes on forever in one direction
25. angle	two rays with a common endpoint
26. polygon	a closed plane figure made up of three or more line segments
27. quadrilateral	a polygon with four sides
28. parallelogram	a quadrilateral in which both pairs of opposite sides are parallel
29. square	a quadrilateral with four right angles and four sides of equal length
30. rectangle	a quadrilateral with opposite sides parallel and four right angles
31. trapezoid	a quadrilateral with exactly one pair of parallel sides

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32. rhombus	a parallelogram with all four sides the same length
33. two-dimensional	having length and width
34. three-dimensional	having length, width, and height
35. face	a flat surface of a solid figure
36. cube	a solid figure that has six square faces of equal size
37. rectangular prism	a solid figure whose base is a rectangle and whose faces are triangles
38. cylinder	a solid with two circular faces that are the same shape and size and a cylindrical surface connecting the two faces
39. net	a flat pattern that can be folded to make a solid
40. transformation	something done to a geometric figure that produces a new figure
41. translation	a movement of a figure along a straight line; also called a slide
42. reflection	the flipping of a figure over a line so that its image is the mirror image of the original

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43. rotation	a movement of a figure around a fixed point or axis; also called a turn
44. congruent figures	figures that have the same size and shape
45. coordinate grid	a plane formed by two perpendicular number lines in which every point is assigned an ordered pair of numbers
46. quadrants	the four parts a plane is separated into by the x-axis and the y-axis
47. x-axis	the horizontal number line in a coordinate grid
48. y-axis	the vertical number line in a coordinate grid
49. ordered pair	a pair of numbers that represent a point on the coordinate grid
50. right angle	an angle whose measure is equal to 90°
51. acute angle	an angle whose measure is less than 90°
52. US Customary system	a system of measurement using the units: inches for length, pounds for weight
53. metric system	a base ten system of measurement using the basic units: meter for length, gram for mass and liter for capacity

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54. perimeter	the distance around a figure
55. area	the number of square units in a region
56. triangle	a polygon with three sides
57. Celsius	the metric temperature scale
58. Fahrenheit	the customary temperature scale
59. data	information, especially numerical; usually organized
60. survey	a study that collects data
61. table	organizes information into columns and rows
62. line graph	a graph in which data points are connected by line segments
63. bar graph	a graph that uses horizontal or vertical bars to represent data
64. double bar graph	a graph that compares data using two pairs of rectangular bars drawn next to each other

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65. categorical data	data that can be organized in groups based on specified characteristics
66. numerical data	data that can be ordered using numbers
67. probability	the chance of an event occurring
68. event	a result of a probability experiment; classified as either certain, likely, unlikely, or impossible