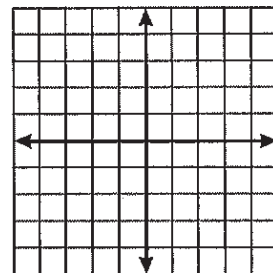# What Does a Boy Who Likes To Play With Switches Do?

Fill in each blank with one of the choices to the right. The letter to the left of each blank goes in the box containing the number of the answer.

The Coordinate Plane

T The _____ plane has two number lines that intersect
N at a point called the _____. The horizontal number
E line is called the _____. The vertical number line is
U called the _____. The two axes divide the coordinate
I plane into four parts called _____. The location of a
H point in the coordinate plane is given using an _____
S of numbers. The first number is the _____. The
N second number is the _____. *Label the origin, axes,*
and quadrants in the figure at the top of the answer column.

7. origin
19. x-coordinate
3. intercept
15. quadrants
18. coordinate
25. y-coordinate
12. x-axis
1. ordered pair
20. graph
5. y-axis

Equations in Two Variables

For an equation with two variables, x and y, a pair of values
O (x,y) that make the equation true is called a _____
H of the equation. Each solution is an _____. The
T value of x is written _____; the value of y is written
S _____. Each solution can be represented as a
N _____ in the coordinate plane. The set of all points
G representing solutions is called the _____ of the
E equation. An equation in two variables has an _____
number of solutions, so there is an infinite number of
T _____ in the graph.

8. second
13. slope
2. infinite
23. first
28. point
21. solution
10. points
9. number
11. ordered pair
16. graph

Linear Equations

If the graph of an equation in two variables is a straight line,
E the equation is a _____ equation. Every solution
T can be represented by a _____ on the line, and every
L point on the line represents a _____ of the equation.
For example, the equation $y = 2x + 5$ is a linear equation
O because its graph is a _____. One solution of this
H equation is _____. $2x + 3y = 90$ is a linear equation
R because its _____ is a line. In a linear equation, the
F highest power of either variable is the _____ power.

17. (3,11)
4. point
20. (5,12)
27. line
22. first
26. intercept
24. linear
6. graph
14. solution

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28