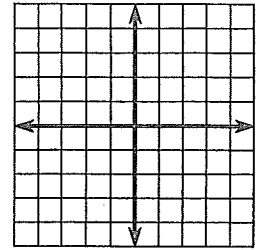# Why Was the Baby Ant Confused?

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

The Coordinate Plane

(F) The _____ plane has two number lines that intersect

(L) at a point called the _____. The horizontal number

(T) line is called the _____. The vertical number line is

(W) called the _____. The two axes divide the coordinate

(I) plane into four parts called _____. The location of a

(E) point in the coordinate plane is given using an _____

(A) of numbers. The first number is the _____. The

(S) second number is the _____. *Label the origin, axes, and quadrants in the figure at the top of the answer column.*

15. origin
1. x-coordinate
23. intercept
9. quadrants
6. coordinate
17. y-coordinate
26. x-axis
22. ordered pair
7. graph
19. y-axis

Equations in Two Variables

For an equation with two variables, x and y, a pair of values

(N) (x,y) that make the equation true is called a _____

(L) of the equation. Each solution is an _____. The

(S) value of x is written _____; the value of y is written

(A) _____. Each solution can be represented as a

(O) _____ in the coordinate plane. The set of all points

(E) representing solutions is called the _____ of the

(S) equation. An equation in two variables has an _____

number of solutions, so there is an infinite number of

(L) _____ in the graph.

24. second
11. slope
27. infinite
10. first
5. point
13. solution
2. points
18. number
3. 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

(H) can be represented by a _____ on the line. For

example, the equation $y = 2x + 5$ is a linear equation because

(U) its graph is a _____. One solution of this equation

(R) is _____. $2x + 3y = 90$ is a linear equation because

(N) its _____ is a line. In a linear equation, the highest

(C) power of either variable is the _____ power.

21. (3,11)
8. point
23. (5,12)
12. line
14. first
4. intercept
20. linear
25. graph

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