

Manipulated and Responding

Identify the responding variable by underlining it. Identify the manipulated variable by circling it. If you think that the problem is worded incorrectly or is confusing, please note that number and inform your instructor.

1. How many days missed from school determines if I pass the course.
2. The price of gas determines how much I will purchase.
3. The amount of clothing I wear depends on the temperature.
4. How much I eat determines how long I need to exercise.
5. The amount of child support I pay depends on the number of kids I have.
6. To finish your math assignment in 30 minutes you must answer one problem every 6 minutes.
7. The atomic number of an element is determined by the number of protons.
8. The product of the array is a function of a square or rectangle.
9. The presence of coyotes in the desert depends on the size of the prairie dog population.
10. Passing my class is dependent on attending school.
11. The number of miles I drive is a function of the price of gasoline.
12. The price of a barrel of crude oil determines the cost of a gallon of gasoline.
13. The travel time depends on how fast I drive.
14. The number of slices left depends on how many I eat.
15. How much weight I lose depends on how much I work out.
16. How many students failed my class depends on how hard I make my test.
17. The strength of an immune system depends on how many leukocytes you have.
18. How long your car lasts is determined by how well you take care of it.
19. The boiling point depends on the atmospheric pressure.

20. The difference in my TAKS scores from passing to commendable depends on my study time.
21. The number of lawns I cut for a set fee depends on the hours of daylight.
22. The number of miles traveled per tank of gasoline depends on my miles per gallon.
23. The travel time from my home to Jarvis depends on how fast I travel.
24. The amount of water I drink on a warm day depends on how thirsty I am.
25. Whether I arrive to class on time depends on the speed I drive and the time I leave home.
26. How much solute I put in a solution depends on the amount of solvent.
27. The amount of volume in an expandable container depends on the temperature.
28. My skill level in softball is determined by how much I practice.
29. How much I weigh is dependent on food intake and activity level.
30. The slope of a line depends on the two points given.
31. The amount of food you eat determines your weight gain.
32. The volume of a cylinder depends on the radius of the base and height.
33. The way your students act is determined by the standards you set.

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