

Solving Word Problems with the Design Recipe

Use The Design Recipe to create models for the word problems and write the appropriate functions.

1. Write a function called, 'globo-gym' that takes in a number of months and produces the cost for attending the gym that many months when there is a \$150 initiation fee and a monthly fee of \$45/month.	2. Write a function called 'rectangle-perimeter' that takes in the length and width of a rectangle and returns the perimeter of that rectangle.	3. Write a function called, 'lawn-area' that takes in a length and width of a lawn and returns the area of that rectangular lawn.
4. Write a function called 'rect-prism-volume' that takes in the length, width, and height of a rectangular prism and returns the Volume of a rectangular prism.	5. Write a function called, 'lyft-ride', that takes in a number of miles and produces the cost for taking a Lyft ride for that many miles when the pick up fee is \$2.50 and the cost per mile is \$1.50/mile.	6. Write a function called 'marquee' that takes in a message and returns that message in large gold letters.
7. Write a function called 'split-tab-5' that takes in a cost of a meal and splits the cost into 5 equal payments.	8. Write a function called 'num-cube' that takes in a number and returns the cube of that number.	9. Write a function called 'circle-area' that takes in a radius and returns the area of the circle.
10. Write a function called 'tip-calculator' that takes in the cost of a meal and returns the 15% tip of that meal.	11. Write a function called, 'minimum-wage', that takes in a number of hours worked and returns the amount a worker will get paid at \$10.25/hr.	12. Write a function called 'moving-truck' that takes in the number of miles driven and returns the cost of renting a truck and driving it that many miles in 1 day. The cost to rent the truck is \$45 for the day and each additional mile is \$1.50.