

Name: _____

Date: _____

Per: _____

The Design Recipe

Code.org Computer Science in Algebra



Description: A batch of cookies has enough to give 12 students a cookie. Write a function, feed, which takes in the number of batches of cookies and produces the number of students we can feed.

Contract and Purpose Statement

Every contract has three parts...

function name: feed domain: number range: number

a batch of cookies will feed 12 students.
what does the function do?

Examples

Write some examples for your function in action...

Example: feed (2) = * (2, 12) batches
function name input(s) what the function produces

Example: feed (5) = * (5, 12)
function name input(s) what the function produces

Definition

Write the definition, giving variable names to all your input values

Define: feed (batches) = *batches, 12
function name variables what the function does with those variables

The Design Recipe

Code.org Computer Science in Algebra



Description: You have a part time job. You have to give you mom \$10 from every pay check you earn to help pay your car insurance. Write a function, earnings to determine how much money you will have left on each paycheck after you pay your mom.

Contract and Purpose Statement

Every contract has three parts...

function name: earnings domain: number range: number

you give your mom \$10 each paycheck
what does the function do?

Examples

Write some examples for your function in action...

Example: earnings (100) = - (100, 10) paycheck
function name input(s) what the function produces

Example: earnings (200) = - (200, 10)
function name input(s) what the function produces

Definition

Write the definition, giving variable names to all your input values

Define: earnings (paycheck) = -paycheck, 10
function name variables what the function does with those variables

