

Word Problem: rocket-height

Directions : A rocket blasts off, traveling at 7 meters per second. Use the Design Recipe to write a function `rocket-height`, which takes in a number of seconds and calculates the height.

Contract and Purpose Statement

Every contract has three parts...

# rocket-height::	Number	->	Number
<i>function name</i>	<i>domain</i>		<i>range</i>

Takes in seconds since liftoff and returns the height of the rocket, which is traveling 7 m/s

what does the function do?

Examples

Write some examples, then circle and label what changes...

examples:

rocket-height (0) is	7 * 0
<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>

rocket-height (3) is 7 * 3

function name *input(s)* *what the function produces*

end

Definition

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

fun rocket-height(seconds):
 function name *variable(s)*

7 * seconds	what the function does with those variable(s)

end