Example Calculation Question - use with various platforms and frameworks

**QUESTION ONE - Calculate the Price of Fish**

Calculate the price of fish using the formula:

**price = (length x 0.2) + (weight x 10)**

Inputs are:

* **length** of fish in centimetres
* **weight** of fish in kilograms

Output is:

* **price** of fish in dollars

**NOTE – there’s more!**

**IF** the **Length** of the fish is LESS THAN 15 centimetres   
**THEN** that is an invalid fish because it is illegal to catch and sell fish that small.

Your method (function) needs to respond to that by returning a result of -1 sour

Include code for any other relevant validations.  
Include relevant self-documentation eg comments, helpful variable names, clear constructs.

You need to provide a comment that includes test data in a format or with instructions on how to run that test data.

Create and test this calculator in the framework and language as specified by the lecturer/parent question. Show your lecturer.

QUESTION TWO

Consume the above remote service method with a client   
as specified by the lecturer/parent question

This client web page or app will take user input of **length** and **weight** and use the remote service of QUESTION ONE to calculate and return the **price**

Follow this design

Fish Price Calculator

|  |  |
| --- | --- |
| Length in cm: | [textbox] |
| Weight in kg: | [textbox] |
|  | [Submit] (button) |
| Price of this Fish: | [readonly textbox OR label] |

Your code and/or webpage needs to VALIDATE in some way that these inputs are numeric.

Include relevant self-documentation eg comments, helpful variable names, clear constructs.