**Coding challenge #1**

A rust program is needed which simulates a “B&Q”-style “painting & decorating” application.

Given a regular rectangular room’s dimensions, calculate its surface area and, with the chosen paint’s coverage (in m2), how many cans of paint are required.

*Output this number.*

**Design notes**

1. Dimensions may be set as numeric literals.

2. We do not need to paint the floor nor ceiling.

3. Only whole cans of paint may be purchased.

4. We don’t want to accidentally drown the decorator(!)

**Extension tasks:**

* With the cost of each can of paint known, calculate the cost of the redecoration.

*Output this price, correctly formatted to pounds and pence.*

* *Output this price, correctly formatted to* ***Euros and cents****.*

**Coding challenge #2**

A rust program is needed as part of GPS system which calculates the hours and minutes required for a vehicle to travel between two locations given:

1. *distance apart in miles and,*
2. *average speed in miles per hour (mph)*

Output this result in HH:MM format

**Design notes**

1. distance and average speed may be set as numeric literals.

**Extension tasks:**

* HH:MM must be displayed with *leading zeroes*, e.g.

4 hours, 9 minutes as 04:09