

How much does  
a delivery driver  
earn a day?



## Background

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Priya has started as a new coordinator at a logistics company in charge of delivery drivers. They need to create a computer program to help work out how much to pay the drivers at the end of each day.

The company has a pay model that will pay the lower of two values.

- time worked at a rate of £11.44 per hour
- a payment of £0.30 for each parcel delivered

The company needs to calculate both values.

The driver is paid the lower of the two values.

## Your task

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Create a program using Python that allows the user to:

- input the number of hours worked and the number of parcels delivered as a decimal
- use the output to pay the drivers the correct amount of wages

The program should:

- calculate number of hours x £11.44
- calculate number of parcels x £0.30
- work out which calculation is lower and output the lower value
- consider the user experience to create a suitable visual output

## Areas to consider

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**These questions will help you write your program:**

- What are the inputs being asked for?
- How will you store the inputs?
- What data type should the inputs be?
- What is being output?
- What format will the output be in?

- What calculations need to take place?
- How will the program work out which calculation is the lower value?

### **Next steps**

- Plan your program
- Create the algorithm
- Write the code for your program

## Testing

Use the information in the table to form a test plan for your program:

- calculate the expected outcome with a calculator
- complete the test plan to check your program
- debug any errors

Test input	Expected outcome	Actual outcome from program	Any action
<b>Driver 1</b> Hours = 3 Parcels = 50	Hours = $3 * 11.44 = 34.32$ Parcels = $50 * 0.30 = 15$  Parcels is lower and would be output.		
<b>Driver 2</b> Hours = 8 Parcels = 325			
<b>Driver 3</b> Hours = 6 Parcels = 263			
<b>Driver 4</b> Hours = 5.5 Parcels = 125			