

Numeracy

T Level resource improvement project 2022

T Level

Employability

Numeracy

Objectives

- To be able to use essential maths competencies and be able to communicate them effectively
- To identify and make choices based on available information

Task 1

- You have just started university and are aware that you are responsible for all of your finances.
- The next slide contains all the information you need about your income and expenditure.
- Calculate your total income and expenditure.
- Should this difference between income and expenditure continue to follow the same trend, what will your financial position be in 10 weeks time?

Task 1

Item	Expenditure per week
Rent	£60.00
Food	£50.00
Transport (bus and rail)	£25.00
Leisure (going out)	£30.00
Laundry	£7.50
Other	£20.00

Item	Income per week
Parental support	£70.00
Maintenance loan	£70.00
Part-time job	£45.00

Task 2

Scenario 1

You can move closer to the university, which will increase your rent by £5 per week but it will reduce your travel expenses by 25 per cent. As you are closer to town your leisure costs will decrease by £10 per week.

Scenario 2

You have changed jobs and now work in a food place. You earn an extra £20 per week and your food costs have decreased by 30 per cent. However, your transport costs have increased to £40 per week.

Which is the better option?

Use the software of your choice to help you create a reusable program.

Extension task

- Extra work at university paid
- Move to a closer place to reduce transport costs
- Extra online tuition costs
- Move further away, which increases transport costs but reduces rental costs

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