In this part of the SOM we present the exact instructions for the estimation tasks (i.e., RLA and PE), as well as tasks used in the study.

**RLA instructions and tasks**

**Instructions**

In this part of the study you will solve mathematical tasks. These tasks require making ESTIMATIONS. Please do not perform any calculations or mathematical operations. We ask you to provide quick and intuitive responses. However, try as hard as you can to give the most precise answers possible. You will submit your answers by typing a precise value and indicating it on a slider.

**Task 1**

Your car consumes 7 liters of gas per 100 kilometers. Right now you have 54 liters of gas in the tank. How many kilometers can you travel with this amount of gas?

**Task 2**

100 grams of cheese contains 4.5 grams of fat. How many grams of fat are in 320 grams of cheese?

**Task 3**

220 grams of meat make 7 cutlets. How many grams of meat have to be used in order to make 18 cutlets?

**Task 4**

In order to make 16 cupcakes you need 340 grams of flour. How many grams of flour do you need to make 3 cupcakes?

**Task 5**

A coat normally costs 970 PLN. Last week there was a discount, and the price was dropped by 15%. What is the price of the coat now?

**Task 6**

You bought 5 shares when the price was established at 125 PLN per unit. The value of the shares has increased by 3.5%. How many PLN are your shares worth now?

**Task 7**

Gas costs 4.54 PLN per liter. How many liters can you put in your tank with 165 PLN?

**Task 8**

During their holiday a family paid 78 euros for their whole dinner. What was the cost of the dinner in PLN, if 1 EUR equals 4.27 PLN?

**PE instructions and product/price matrices**

In the next tasks you will be presented with different grocery lists with the precise prices of each product. This information will be presented for a short duration of time. Your task is to estimate the overall price for the whole list of products. You will submit your answers by typing a precise value and indicating it on a slider.

List 1

|  |  |
| --- | --- |
| **Product** | **Price (PLN)** |
| Flour | 2.69 |
| Pepper | 4.69 |
| Pierogies | 5.99 |
| Croquettes | 4.39 |
| Moisture | 6.99 |
| Waffles | 1.39 |

List 2

|  |  |
| --- | --- |
| **Product** | **Price (PLN)** |
| Toilet paper | 4.89 |
| Baguette | 2.25 |
| Milk | 2.39 |
| Matches | 0.95 |
| Whole grain bread | 2.99 |
| Chicory coffee | 5.99 |

List 3

|  |  |
| --- | --- |
| **Product** | **Price (PLN)** |
| Bread roll | 0.55 |
| Kefir | 1.60 |
| Coffee 3 in 1 | 0.99 |
| Pen | 1.80 |
| Tomato | 1.49 |
| Beer | 2.99 |

List 4

|  |  |
| --- | --- |
| **Product** | **Price (PLN)** |
| Donut | 0.99 |
| Bun | 0.30 |
| Condensed milk | 2.49 |
| Butter | 2.99 |
| Yoghurt | 1.75 |
| Soda | 2.39 |

List 5

|  |  |
| --- | --- |
| **Product** | **Price (PLN)** |
| Cream cheese | 4.45 |
| Ham | 3.60 |
| Toilet paper | 6.49 |
| Peaches | 1.90 |
| Pasta | 1.59 |
| Water | 1.99 |

|  |  |
| --- | --- |
| **RLA** | **Correct answer** |
| *Task 1* | 771.43 |
| *Task 2* | 14.4 |
| *Task 3* | 565 |
| *Task 4* | 63.75 |
| *Task 5* | 824.5 |
| *Task 6* | 646.875 |
| **PE** |  |
| *List 1* | 26.14 |
| *List 2* | 19.46 |
| *List 3* | 9.42 |
| *List 4* | 10.91 |
| *List 5* | 20.02 |