**Worksheet**

Students from Spain, Romania and Greece answered the quiz. Their answers have been collected in the tables below in order to carry out statistics and draw conclusions.

**Topic*: Attitudes towards maths (Group 1)***

**Tasks:**

1. Open Microsoft Excel and insert 5 sheets and rename them according to the number of question – Q1, Q2, Q3 etc.
2. In every spreadsheet create the table corresponding to each question. See the example below.

|  |  |  |  |
| --- | --- | --- | --- |
| **Question 5** | **Are you afraid of maths?** | | |
| **Yes** | **No** | **I do not know** |
| **Spain** | 3 | 21 | 8 |
| **Romania** | 21 | 55 | 36 |
| **Greece** | 10 | 26 | 26 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Question 6** | **If the lesson was optional would you choose it?** | | |
| **Yes** | **No** | **I do not know** |
| **Spain** | 26 | 6 | 0 |
| **Romania** | 60 | 20 | 32 |
| **Greece** | 30 | 16 | 16 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Question 7** | **During math tests, do you feel panicked?** | | | | | |
| **Never** | **rarely** | **sometimes** | **often** | **very often** | **always** |
| **Spain** | 5 | 14 | 0 | 7 | 3 | 3 |
| **Romania** | 19 | 28 | 40 | 7 | 12 | 5 |
| **Greece** | 9 | 19 | 18 | 10 | 2 | 4 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Question 8** | **Do you feel anxiety (worried, concerned) during math tests, because you think that you will forget things you may know well?** | | | | | |
| **Never** | **rarely** | **sometimes** | **often** | **very often** | **always** |
| **Spain** | 3 | 12 | 0 | 12 | 2 | 3 |
| **Romania** | 18 | 19 | 35 | 17 | 11 | 12 |
| **Greece** | 8 | 13 | 16 | 12 | 4 | 9 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Question 9** | **When you cannot solve a mathematical problem, how much time will you still keep trying?** | | | |
| **I will stop immediately** | **for 5-10 minutes more** | **for 10-15 minutes more** | **for 15-20 minutes more** |
| **Spain** | 2 | 17 | 9 | 4 |
| **Romania** | 6 | 60 | 34 | 12 |
| **Greece** | 5 | 23 | 19 | 15 |

1. Based on tables created before, make the following diagrams on every spreadsheet:

* A pie chart with the answers of students from Spain (with the name of the chart - Spain) – add percentage on it
* A pie chart with the answers of students from Romania (with the name of the chart – Romania) – add percentage on it
* A pie chart with the answers of students from Greece (with the name of the chart - Greece) – add percentage on it
* A bar chart that represents a comparison of the answers: take the percentage obtained from all three pie charts and transfer it into a table. Based on data in the table make the diagram.

*Example:*

|  |  |  |  |
| --- | --- | --- | --- |
|  | **yes** | **no** | **i don't know** |
| **Spain** | 9% | 66% | 25% |
| **Romania** | 19% | 49% | 32% |
| **Greece** | 16% | 42% | 42% |

1. Access the link you received and open the document. Copy the bar chart next to each question you studied and complete the conclusion reached after analyzing the answers.
2. Access [www.canva.com](http://www.canva.com), log in and make an info chart named Maths is around us, starting from the answers analyzed. Please use only items that are available for free in Canva.