**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 2)***

**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 10** | **When you cannot solve a mathematical problem , what do you do?** | | | | |
| **You get disappointed and you stop trying** | **You stop for a while and you continue later** | **You ask help from your teacher** | **You ask help from a classmate** | **You look the result from the solution book** |
| **Spain** | 2 | 10 | 14 | 0 | 6 |
| **Romania** | 3 | 36 | 24 | 34 | 15 |
| **Greece** | 4 | 23 | 20 | 7 | 8 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Question 11** | **When you have to answer a math question in the class, how often do you feel like you do not have enough time to answer?** | | | | | |
| **never** | **rarely** | **sometimes** | **often** | **very often** | **always** |
| **Spain** | 6 | 10 | 12 | 2 | 2 | 0 |
| **Romania** | 17 | 31 | 33 | 21 | 6 | 4 |
| **Greece** | 27 | 17 | 7 | 5 | 4 | 2 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Question 12** | **When you have to answer a methematical question in front of your classmate, how often do you feel stressed?** | | | | | |
| **never** | **rarely** | **sometimes** | **often** | **very often** | **always** |
| **Spain** | 16 | 5 | 7 | 2 | 2 | 0 |
| **Romania** | 23 | 24 | 26 | 26 | 0 | 13 |
| **Greece** | 22 | 14 | 10 | 4 | 7 | 5 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Question 13** | **The math lesson at school is interesting.** | | | | |
| **Strongly disagree** | **Disagree** | **Not sure** | **Agree** | **Strongly agree** |
| **Spain** | 1 | 4 | 12 | 9 | 6 |
| **Romania** | 2 | 12 | 41 | 54 | 3 |
| **Greece** | 20 | 19 | 10 | 8 | 5 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Question 14** | **The ability of understanding maths is innate(we are born with that, it is natural)** | | | | |
| **Strongly disagree** | **Disagree** | **Not sure** | **Agree** | **Strongly agree** |
| **Spain** | 3 | 9 | 11 | 5 | 4 |
| **Romania** | 5 | 32 | 33 | 37 | 5 |
| **Greece** | 23 | 18 | 10 | 8 | 3 |

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 All around us, starting from the answers analyzed. Please use only items that are available for free in Canva.