Would you rather …? investigation

Your turn!

1. You need to create two ‘Would you rather…’ questions that you want to ask the class. Each question should have two answers to choose from. Try to choose questions where you think the answers for both might be related.
* Would you rather …
* Would you rather …
1. Fill in the headings in the two-way table below according to your two ‘Would you rather …’ questions. Then collect data from the class and tally your results recording them in the grey cells.

|  |  |  |
| --- | --- | --- |
| **Would you rather …?** | …  |  …  |
| …  |  |  |
| …  |  |  |

1. Fill in the headings again, write each tally as a number in the two-way table below, and complete the total column and row.

|  |  |  |  |
| --- | --- | --- | --- |
| **Would you rather …?** | …  |  …  | **Total** |
| …  |  |  |  |
| …  |  |  |  |
| **Total** |  |  |  |

1. In the space provided below, create a series of questions based on your two-way table. You must ensure that you have questions that include the following phrases or indicators.
* How many ….
* What fraction …
* What percentage …
* ... would rather …. AND …
* … would rather … OR …

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1. Swap your worksheet with a friend and have them answer your questions. You must answer their questions too. Check each other’s work and make sure you agree on the final answers between you.

Exit ticket

The Principal of Smallville School surveyed parents and students on whether the school should keep or scrap the school uniform. The results are included in this two-way table:

|  |  |  |
| --- | --- | --- |
|  | Parents | Students |
| Keep uniform | 25 | 5 |
| Scrap uniform | 10 | 60 |

1. Circle the ONE **FALSE** statement:
2. 35% of the people surveyed were parents
3. 25% of the people surveyed were parents and want to keep the uniform
4. 25% of the people surveyed were parents or want to keep the uniform
5. 40% of the people surveyed were parents or want to keep the uniform
6. Describe any association you see between these two variables, justifying your answer.

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