



Washing Up!

Are boys or girls more helpful when it comes to doing the dishes?

Who is more likely to shirk their domestic duties?

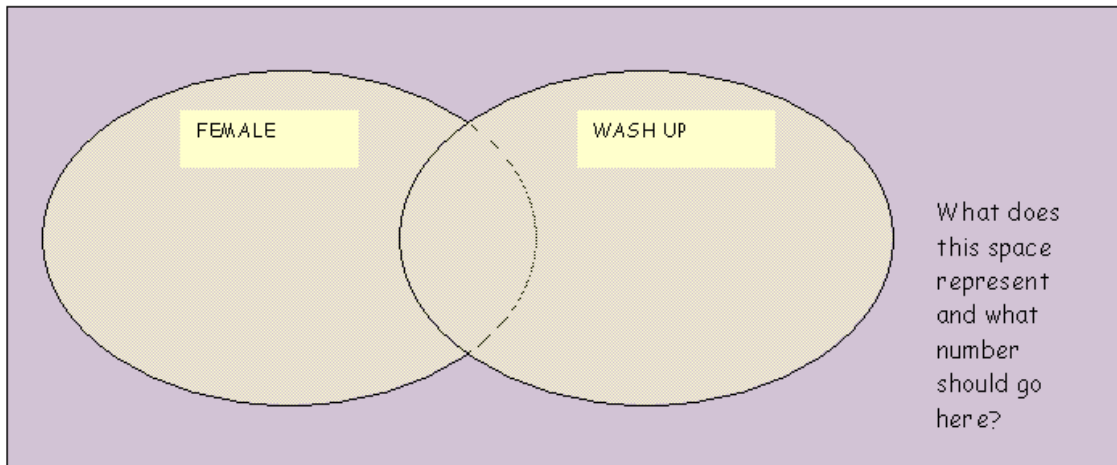
The data below might help you investigate those gender stereotypes.

The data has been taken from *CensusAtSchool* 2001/2002.

3879 females responded to the question 'Do you help with the dishes?' of which 1741 said they did. Overall 3457 males participated in the questionnaire. A total of 3282 people said they did the washing up. Use this information in this paragraph to complete the following table.

| | Males | Females | total |
|---------------|-------|---------|-------|
| Wash up | | | |
| Don't wash up | | | |
| Total | | | |

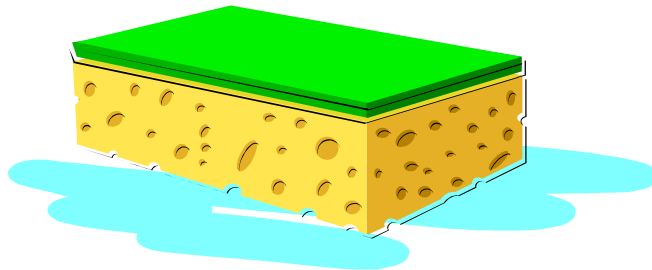
Now can you complete the Venn diagram below and then answer the questions overleaf.





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1. What title would you give the Venn diagram?
2. How many pupils took part in the survey?
3. What is the probability that someone washes up?
4. Calculate the probability that someone is female and washes up. Do the same for males.
5. What conclusions could you draw from these results?
6. What is the probability that someone is female, given that they wash up?
7. Use your last answer to think of a quick way to find the probability of someone being male, given that they wash up?



Now go to the *CensusAtSchool* website (www.censusatschool.org.uk) and investigate the differences between pupils from the UK and Queensland. Which pupils are more helpful?