



Data with no name!

Table 1 and table 2 contain data for two imaginary classes. Although we don't know anything except that these are the data for two classes answering the *CensusAtSchool* questionnaire 2012/13 (see page 3) it is quite amazing what we can find out with a little bit of thought.



Have a look at the data and answer the questions below. Choose to use the data from Class A or Class B, then for the class you have chosen answer the question below. Choosing Class A will mean you are working mainly at National Curriculum level 4, Class B is mainly National Curriculum level 6

- 1) State the class you are working with.
- 2) Write down the *CensusAtSchool* question the children in the class were answering?
- 3) How many children are in the class?
- 4) Do you think this class is older, younger or the same age as your class? How can you tell?
- 5) Put the data into a Frequency Table and then display it in a graph. Plot a graph that will show the information well. Remember to label and title your graph. (If you are working with the data from Class B you will need to choose groups to put your information into. Choose between 6 to 10 groups and explain how you are doing this.)
- 6) Work out mean, mode and median and decide which average is the best to use for these data. Also find the minimum, maximum and the range. Comment on your findings.
- 7) Transfer the data into a spreadsheet on the computer. The computer will do all the hard work now. How do the computer graphs compare to yours.
- 8) Collect the appropriate data to compare this imaginary class with your own class? What conclusions can you reach?



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Class A				
148	146	146	149	150
146	145	144	145	146
145	149	153	147	151
147	145	147	153	145
142	147	146	151	145
142	143	148	144	146

Table 1

Class B				
165	178	168	164	167
163	164	184	174	173
161	157	154	166	176
175	182	168	168	160
175	165	164	177	158
181	161	172	166	

Table 2



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CensusAtSchool 2012/2013 Questionnaire

1. Are you?

- Male
- Female

2. How old are you?

years

3. Which hand do you write with?

- Left
- Right
- Either

4. a) In how many languages can you hold an everyday conversation?

4. b) Which language, other than your home one, do you think is most useful to know?

5. Complete the following measurements, answer to the nearest tenth of a cm:

- Heightcm
- Length of right footcm
- Open arm spancm
- Circumference of your thumbcm
- Circumference of your wristcm
- Circumference of your neckcm

6. a) What is the main way you usually travel to school?

- Walk
- Bus
- Car
- Cycle
- Rail
- Boat
- Other

6. b) How long do you usually take to travel to school? (Answer to the nearest minute.)

minutes

6. c) Using the information from the *CensusAtSchool* mapping tool, enter the crow flight (direct) and road distances from your home to your school (in miles), then enter the time it takes (in minutes) for you to travel from home to your school.

Crow flight distance:

. miles

Road distance:

. miles

Time:

minutes

7. Write down a two digit number:

8. Which of the following do you have? (You may tick more than one)

- A TV in your bedroom
- Your own MP3 player e.g. iPod
- Access to the Internet from your mobile phone
- Your own Facebook page
- Your own Twitter page
- Your own Bebo page
- Skype on a computer at home
- A game console at home e.g. PlayStation, Xbox, Nintendo
- None of these

9. In the last seven days, which of these online activities have you done? (You may tick more than one)

- Downloaded or listened online to music
- Downloaded or viewed online video (e.g. Youtube, iPlayer, Netflix, etc.)
- Played online game(s)
- Kept in touch with friends (e.g. through instant messaging, Bebo, Facebook, etc.)
- Researched topics related to school work
- Have been online but did none of the above activities
- Have not been online in the last seven days

10. Probability Game

At the end of the quiz there is a probability game for you to play based on Takeshi's Castle.