**Types of Data**

Bronze

1) Scott is researching opinions on uniform in his school. He asks a sample of pupils whether they believe the uniform in the school should be changed. Circle the words that could be used to describe the type of data that Scott collects:

Categorical Discrete Continuous Numerical

2) Lauren is trying to find out about the percentage employment rates for certain degrees. She does some research on the internet on different employment and university websites. Circle the words that could be used to describe the type of data that Lauren collects:

 Categorical Discrete Continuous Numerical

3) Kwame is interested in the number of goals that different players score in the different football leagues. He checks the Wikipedia pages of each player to try and find out the values. Circle the words that could be used to describe the type of data that Scott collects:

Categorical Discrete Continuous Numerical

4) Alex wants to know about whether the school lunches provide good value for money. She asks a sample of pupils in the lunch hall how much they paid for their meal. Circle the words that could be used to describe the type of data that Alex collects:

Categorical Discrete Continuous Numerical

Silver

5) Conor wants to find out about the history of Second World War. One of the things he does is look up online the number of people who died from each of the countries who fought in the war. Which words best describe the type of data that Conor collects?

6) Leanne is doing a geography project. As part of her project she is looking at the population density of different urban areas. She looks this up on a website. Which words best describe the type of data that Leanne collects?

7) Will is in maths class doing a practical lesson where he measures the lengths of different objects in the classroom. Which words best describe the type of data that Will collects?

8) Sam is carrying out a readability test in her English lesson. As part of her test she counts the word length of each word on a randomly selected page. Which words best describe the type of data that Sam collects?

Gold

9) Lucas is selling his house. In order to decide the asking price, he researches the prices that other houses in his area have recently sold for. Describe how he might do this, and what type of data he will get as a result.

10) Olivia is in charge of careers education at a school. As part of her job she decides to find out what the current S6 intend to do when they leave school. Describe how she might find this out, and what type of data she will get as a result.

11) Gregory works for a marketing firm. As part of his job he has to find out which social media sites people spend the most time on. Describe how he might do this, and what type of data he will get as a result.

12) Patricia is an engineer. When designing or building something, she needs to know about the temperature tolerances of the materials she intends to use. Describe how she might do this, and what type of data she will get as a result.

Platinum

Describe a situation (other than the ones above) which would lead to the collection of:

13) Categorical data.

14) Discrete numerical data.

15) Continuous numerical data.

Iridium

16) Andrew has a dataset with a column labelled “Time”. Give an example of a dataset where it would be sensible to treat time as numerical data, and give an example of a dataset where it would be sensible to treat time as categorical data.

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