[](https://www.knowitallninja.com/)Characteristics of Data & Information

# Task 1

(a) Below are some statements about data and information. Identify which of these statements is about data and which is about information by putting a tick in the relevant cell.

|  |  |  |
| --- | --- | --- |
|  | Data | Information |
| They are raw facts & figures |  |  |
| They have been processed & given meaning |  |  |
| It has no structure and has no purpose |  |  |
| 9:00, 120/60, 10:00, 135/65, 11:00, 140/70 |  |  |

(b) Fill out the boxes below in order to define what information is.

Information

+

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# Task 2

(a) Below is a table with two different scenarios that you might need to collect and use data for. Identify an example of data & information for each scenario and fill in the relevant table cells.

|  |  |  |
| --- | --- | --- |
|  | 100m Race | Exam Mark |
| **Data** |  |  |
| **Information** |  |  |

# Task 3

(a) It is said that data is meaningless without converting it into information. In the context of a scientist using data, explain why they need to convert the data into information to give it meaning.

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(b) To convert data into information it has to be processed. Can you identify three different types of processing we might perform on data?

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3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(c) To convert data into information we must give the data context. What do we mean by giving it context?

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