Exercise sheet 2

Exercise 1: Understanding
Explain in your words the attribute types nominal, ordinal, numeric (interval-scaled, ratio-scaled).

Exercise 2: More understanding
Time in its various forms as attribute value can be regarded as nominal, ordinal, interval or ratio scale. Give examples for each of the four cases (e.g. Weekday is an example for ...).

Exercise 3: More understanding
What does an attribute measure? Does it make sense to use two attributes (different names) that measure similar things?

Exercise 4: More understanding
In machine learning we aim to learn a concept or a model. Give an example of a concept one could learn using machine learning and also give the appropriate style of learning.

Exercise 5: More understanding
Classification task is a supervised task. Is this true/false? Why? What about the regression task?

Exercise 6: Clustering
In clustering our aim is to group instances into clusters. Assume you want to cluster fruits. What attributes of the fruits would you use for comparison purposes?