Questions 1-2

Question 1

1 point possible (graded)
We use itemization instead of enumeration when we have:

- ⭕ Exactly one subclass

- ⭕ Two or more subclasses, and they are all atomic distinct

- 🔴 Two or more subclasses, and at least one is not atomic distinct ✔

- ⭕ We can use itemization and enumeration interchangeably

Explanation
An itemization describes data comprised of 2 or more subclasses, at least one of which is not a distinct data item. On the other hand, an enumeration describes data comprised of 2 or more subclasses that are all distinct data items.
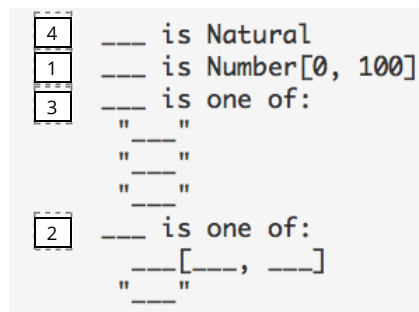
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ℹ Answers are displayed within the problem

Question 2

1 point possible (graded)
Match each of the following problem statement fragments to the corresponding form of data definition.

1 - "percentage score"
2 - "TV volume level 1-30, or mute"
3 - "primary colors: red, green, blue"
4 - "height of a rocket"

```
4   ___ is Natural
1   ___ is Number[0, 100]
3   ___ is one of:
      "___"
      "___"
      "___"
2   ___ is one of:
      ___[___, ___]
      "___"
```

Explanation
Given the problem statement fragments, the types comments should look something like this:

```
;; RocketHeight is Natural

;; PercentageScore is Number[0, 100]

;; PrimaryColor is one of:
;; - "red"
;; - "green"
;; - "blue"

;; TelevisionVolume is one of:
;; - Number[1, 30]
;; - "mute"
```

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ℹ Answers are displayed within the problem