

*have some characteristics in common, but also each of them has different way of organizing the data elements/objects they contain).*

Collection is a container of discrete values;  
Usually of the same type (primitive data values and also some other data structures);  
(But) collection objects can be of different types (pointers afford a flexibility and thus collection objects permit references to any data structure as well as to primitive values);  
Collections have a set of methods that define operations performed on the elements/objects of that collection;  
Such as adding/removing elements to/from collection, comparing elements of collection, searching, etc;  
Which reduces programming effort (because implementations of data structures and algorithms are provided);  
Which increases performance of the program (because efficient implementations are provided);

[3]

(d) **Award [6 max].**

*Award [1] for initialization and for outputting **correct** result (COUNTER).*

*Award [1] for using collection methods.*

*Award [1] for correct loop.*

*Award [1] for retrieving a number (ELEMENT) from the collection.*

*Award [1] for if statement within the loop.*

*Award [1] for correct condition in if statement.*

*Award [1] for increasing COUNTER if needed.*

*Example answer:*

```
COUNTER = 0
NUMBERS.resetNext()
loop while NUMBERS.hasNext()
    ELEMENT = NUMBERS.getNext()
    if ELEMENT >= -1 and ELEMENT <= 1 then // abs(ELEMENT) <= 1
        COUNTER = COUNTER + 1
    end if
end loop
output COUNTER
```

**Note:** *be flexible over the method names. For example, NUMBERS.getData() is acceptable instead of NUMBERS.getNext().*

[6]