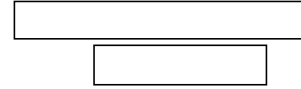


5.1 Representing Relations



* A is a collection of distinct objects

* An of a set is one object in the set

* A associates the elements of one set with the elements of another

ex. Consider the table to the right

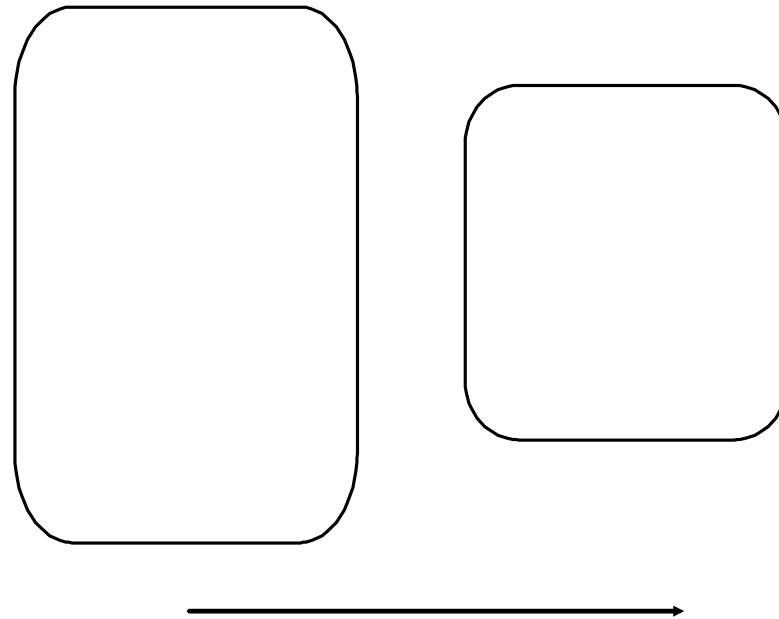
a) Describe this list in words

<u>Country</u>	<u>Continent</u>
Norway	Europe
Nepal	Asia
Morocco	Africa
Thailand	Asia
Italy	Europe
Costa Rica	N. America
Portugal	Europe

b) Represent this relation by:

i) a set of ordered pairs

ii) an arrow diagram

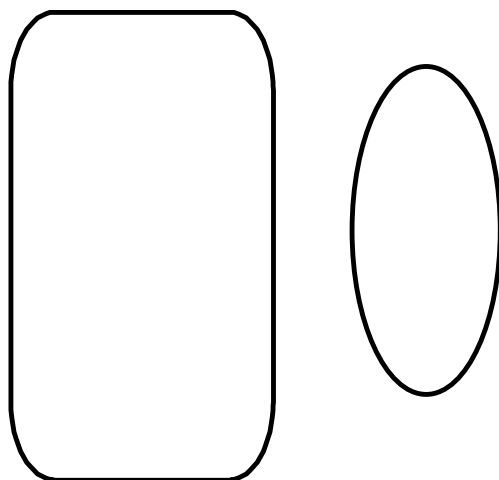
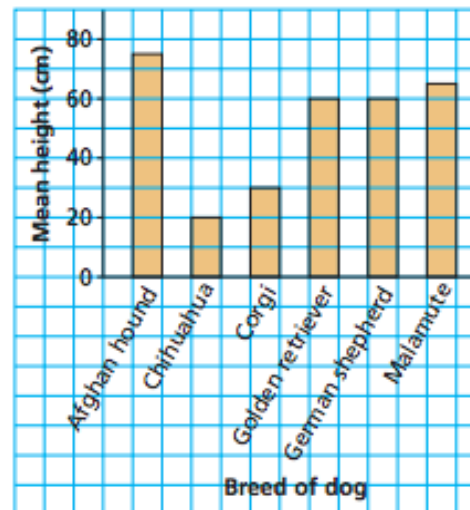


* Check you understanding pg. 259

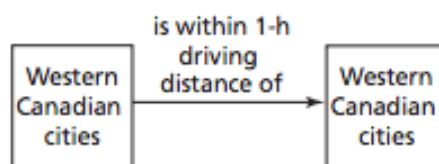
Different breeds of dogs can be associated with their mean heights. Consider the relation represented by this graph. Represent the relation:

- a) as a table
- b) as an arrow diagram

Mean Heights of Different Breeds of Dogs



In this diagram:



Both sets in a relation can be the same.

- a) Describe the relation in words.
- b) List 2 ordered pairs that belong to the relation.