

Unit 5: Relations & Functions

Relation: a connection between two sets of data.

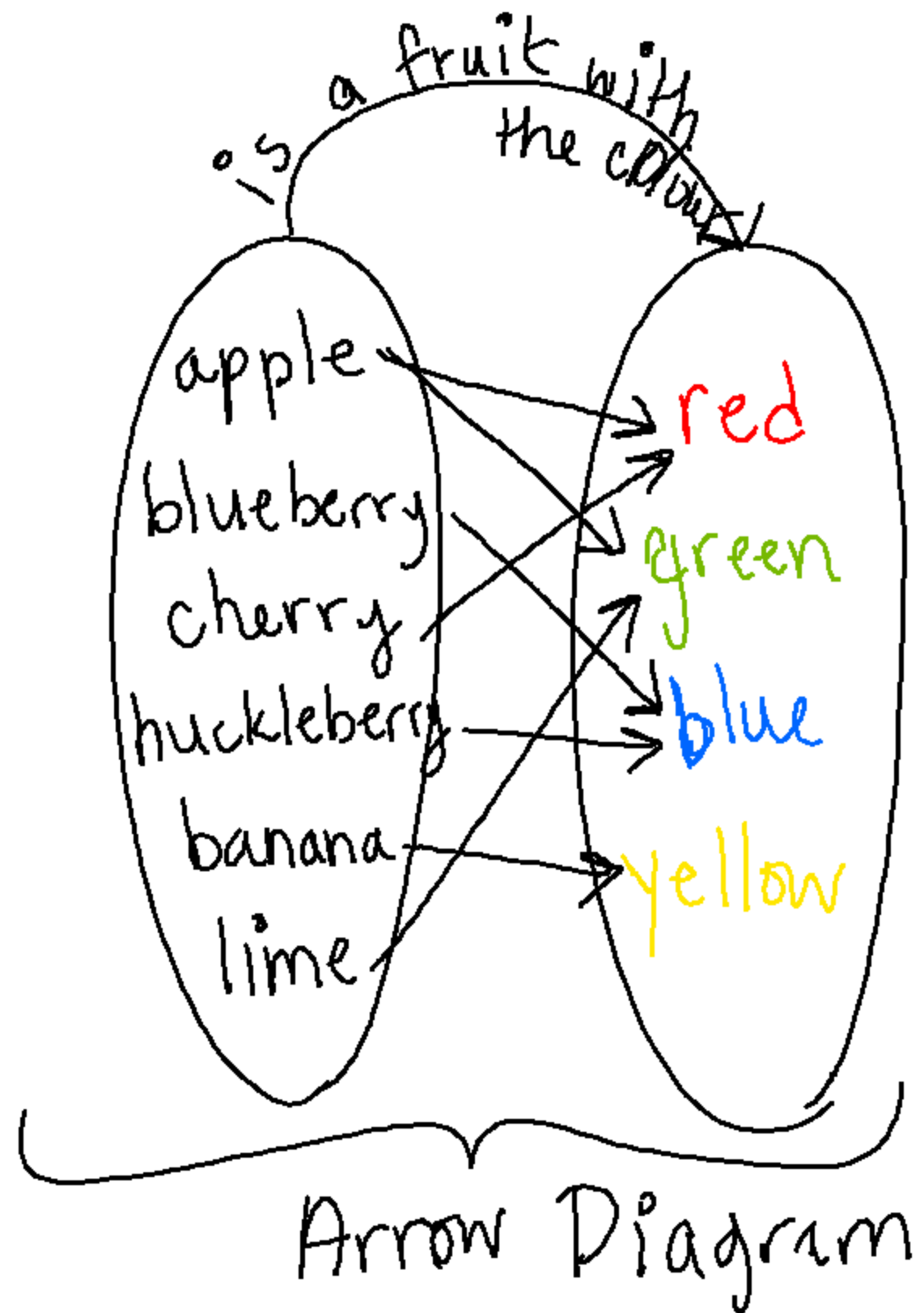
Set: a group of data

Element: one item inside a set of data

Ex. 1:

Table

Fruit	Colour
apple	red
apple	green
blueberry	blue
cherry	red
huckleberry	blue
banana	yellow
lime	green



Ex 2:

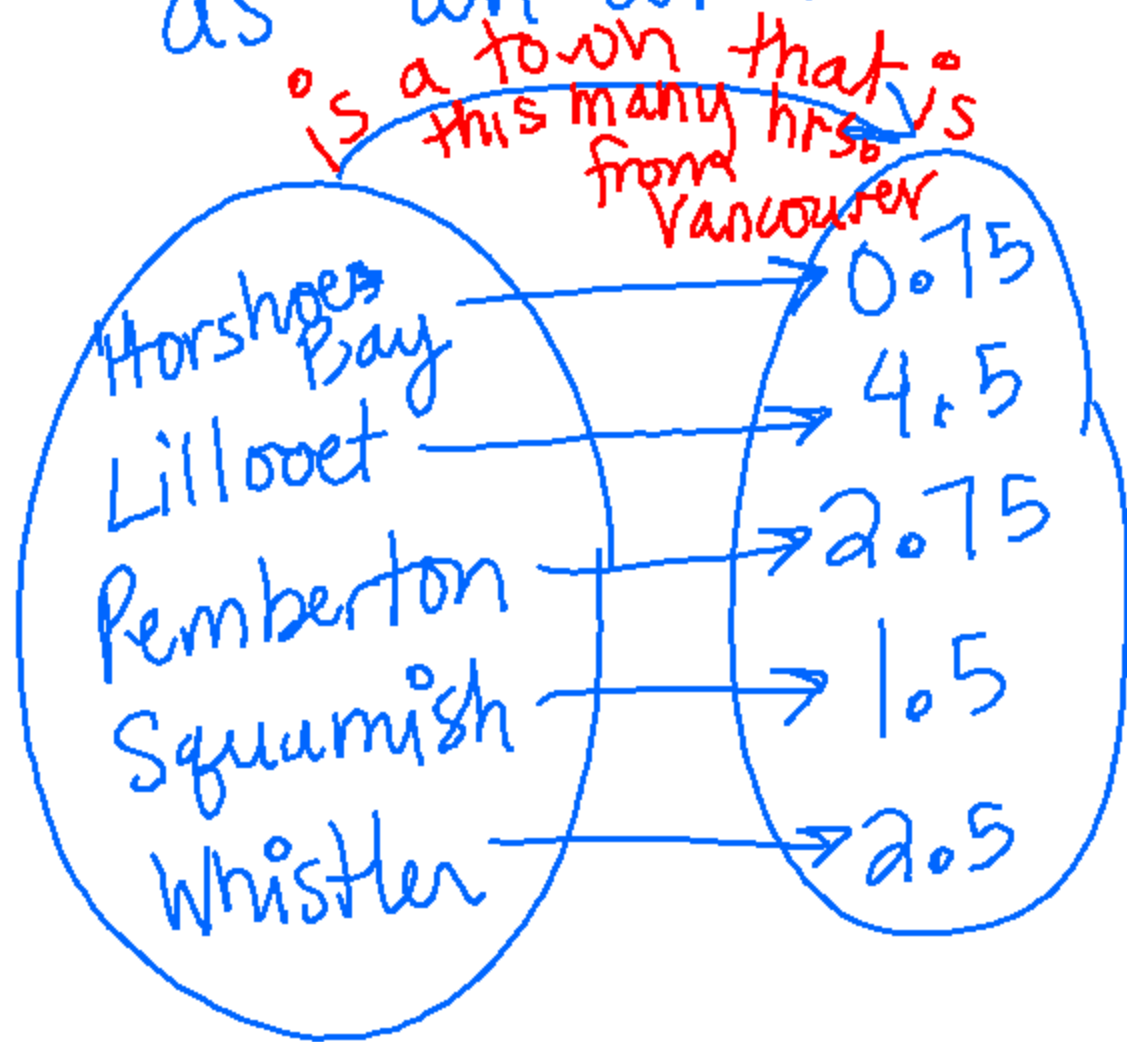
Breed of Dog	Avg. Height (cm)
Afghan Hound	75
Chihuahua	20
Corgi	30
Golden Retriever	60
German Shepherd	60
Malamute	65

Express as a set of ordered pairs:

{ (Afghan hound, 75), (Chihuahua, 20),
(Corgi, 30), (Golden Ret, 60),
(German Shep., 60), (Malamute, 65) }

Ex. 3: p 260 #2 "Check Your Understanding"

Express the information in the bar graph as an arrow diagram and a set of ordered pairs



{ (Horshoe Bay, 0.75), (Lillooet, 4.5),
(Pemberton, 2.75), (Squamish, 1.5),
(Whistler, 2.5) }

3 Ways to Represent Relations :

1. Table

2. Arrow Diagram

3. Set of Ordered Pairs

p. 262-263 # 3a, 4, 9, 13