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| Connect <br> So, this set of ordered pairs is a relation <br> Here are 2 ways to represent this relation |  |  |
| :--- | :--- | :---: |
| Ordered Pairs | Table |  |
| (apple, red) <br> (apple, green) <br> (blueberry, blue) <br> (cherry, red) <br> (huckleberry, blue) | FRUIT COLOUR <br> Apple red <br> Apple green <br> Blueberry blue <br> Cherry red <br> Huckleberry blue |  |

## Connect

## Notes:

Consider the set of fruits and the set of colours

We can associate fruits with their colours


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## Connect

## NOTES:

Here is a 3rd way to represent the relation
Arrow Diagram - the 2 ovals represent the sets.
Each arrow associates an element for the first set with an element of the 2 nd set.


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


Represent the following relation as a:

1) a table
2) as an arrow diagram

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## Practice

YOU TRY!
Different towns in British Columbia can be associated with the average time, in hours, that it takes to drive to Vancouver. Consider the relation by this graph.


Represent the following relation as a:

1) a table
2) as an arrow diagram

## Practice

EXAMPLE 1
Solution:


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Textbook Questions:
Page 262 \# 4, 6
Page 263 \# 11, 13

