



#1

How am I doing?

| Age (years) | Mass (kg) |
|-------------|-----------|
| 14 | 45 |
| 14 | 50 |
| 15 | 56 |
| 15 | 64 |
| 17 | 65 |
| 18 | 90 |

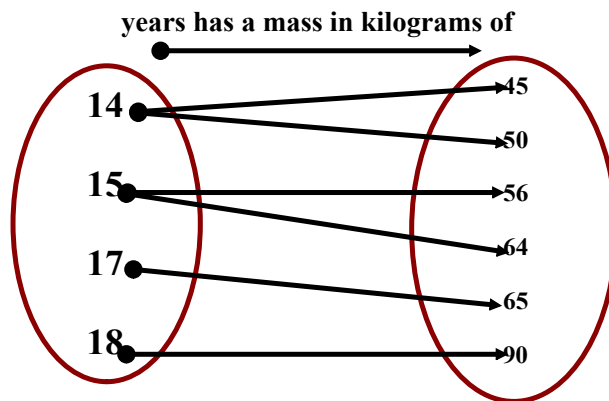
- Represent the relation as an arrow diagram & as an ordered pairs.
- State the domain & range.
- State the dependent & independent variable.
- Function or Non-function

#2

To convert a temperature in degrees Celsius to degrees Fahrenheit, multiply the Celsius temperature by $\frac{9}{5}$ then add 32. Use these instructions to write an equation in function notation for this conversion.

#1

a)



$\{ (14, 45) , (14, 50) , (15, 56) , (15, 64) , (17, 65) , (18, 90) \}$

b) Domain : $\{14, 15, 17, 18\}$

Range : $\{ 45, 50, 56, 64, 65, 90\}$

c) Mass - **Dependent**

Age - **Independent**

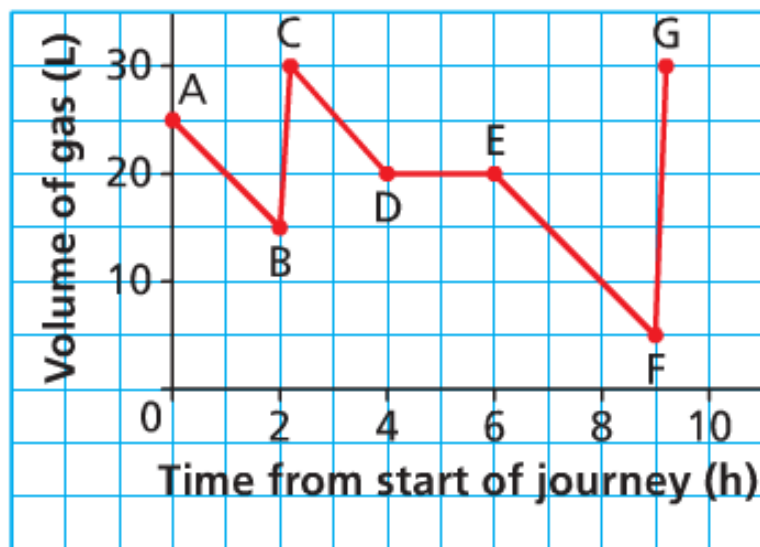
d) **This is not a function**

#2 Variables may differ. Let c represent a temperature in degrees Celsius.
Let F represent the same temperature in degrees Fahrenheit.

$$F(C) = 9/5 C + 32$$

#3

Volume of Gas in a Snowmobile



- Describe what is happening for each line segment in this graph.
- How much gas was in the tank at the start of the journey? Was the tank full at this time? Explain.