

Elect

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$$T_1 = 10^\circ\text{C}$$

$$T_2 = 20^\circ\text{C}$$

$$\text{Time taken} = 5 \text{ mins} = 300\text{s}$$

$$\Delta T = 20 - 10 = 10^\circ\text{C}$$

$$T = 24.9^\circ\text{C}$$

$$\Delta T_2 = 24.9 - 10 = 14.9^\circ\text{C}$$

$$10^\circ\text{C} \rightarrow 300 \text{ secs}$$

$$14.9^\circ\text{C} \rightarrow 20$$

$$100\% = 4670$$

$$\% = 447 \text{ seconds}$$

$$\% = 7 \text{ ~~minutes~~ minutes 27$$

seconds

Editor - C:\Users\giles\Documents\MATLAB\gilesthree.m

```
1 - commandwindow  
2 - clear  
3 - clc  
4 - close all  
5 - mdata=xlsread ('onlinequizdata.xlsx','sheet1')  
6 - x=mdata (:,1)  
7 - y= x*2
```

Command Window

```
mdata =  
  
[]  
  
Index in position 2 exceeds array bounds.  
  
Error in gilesthree (line 6)  
x=mdata (:,1)  
  
fx >>
```