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Quiz:

Initial temp (IT) = 10°C Time from IT to ST = $5\text{mins} = 300\text{s}$
Second temp (ST) = 20°C
Actual temp (AT) = 25°C 2 Time (2T) = 17
Safe Temp (ET) = 24.9°C

If from IT to ST = $20 - 10 = 10^{\circ}\text{C}$
and it takes 5mins to cover 10°C ∴

$5^{\circ}\text{C} = \frac{1}{2}$ of 5mins

$25^{\circ}\text{C} = 2.5\text{min}$

∴ $24.9^{\circ}\text{C} = ?$

$$= \frac{2.5 \times 24.9}{2.5} \quad (2.5\text{min} = 150\text{sec})$$

$$= \frac{150 \times 24.9}{2.5}$$

$$= 149.4$$

$$\therefore 149.4 \div 150$$

$$= 2.41$$

$$= 2\text{mins } 49\text{secs}$$

```
ATLAB
Editor - C:\Users\yimat\Documents\MATLAB\yimaquiz2.m
yimaquiz2.m x +
clear
clc
close all
format short g
mdata=xlsread('onlinequizdata','fluiddata')
x=mdata(1:2:250,1)
y=mdata(1:2:250,2)
plot(x,y)
grid on
grid minor
```

Command Window

```
86
88
90
92
94
96
98
100
102
```

script |Ln 11 Col 11

