



# PyroElectro.com - PyroEDU

*Introduction To Modern Electronics – Lesson 9: The 555 Timer*

## HOMEWORK

The following homework questions are meant to go with the online lesson found here:  
[http://www.pyroelectro.com/edu/basics/555\\_timer/](http://www.pyroelectro.com/edu/basics/555_timer/)

### HOMEWORK QUESTION 1

What are two uses of the 555 timer?

### HOMEWORK QUESTION 2

How many pins does a standard LM555 timer IC have and what are the names of each pin?

### HOMEWORK QUESTION 3

What R1/R2/C1 values could be used for a 10 milliseconds On-Time pulse from an a-stable 555 timer configuration? (use Frequency = 5 Hz, 20 Hz and 50 Hz for 3 sets of R1/R2/C1 Vaues)

### HOMEWORK QUESTION 4

If a 555 timer's output signal has a period of 25 milliseconds, what is the frequency of this signal?

## ADDITIONAL INFORMATION

To get feedback on your homework or to ask additional questions related to this lesson, please post your homework answers or your questions in the online forums at:  
<http://www.pyroelectro.com/forums/viewforum.php?f=22>

