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Introduction To Digital Electronics – Lesson 7: Clocks and Oscillators

HOMEWORK

The following homework questions are meant to go with the online lesson found here:
http://www.pyroelectro.com/edu/digital/clocks_oscillators/

HOMEWORK QUESTION 1

What is the difference between our 555 timer's clock signal and the crystal oscillator's clock signal?

HOMEWORK QUESTION 2

Draw a clock signal that has 10% positive duty cycle and 90% negative duty cycle.

HOMEWORK QUESTION 3

If a clock signal has a period of 15 milliseconds, what is the frequency of the clock signal?

HOMEWORK QUESTION 4

What is usually the first signal to appear on a digital logic timing diagram? Why?

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=21>