# Practice Circuits

Here in the second part of our unit, you'll be asked to use Multisim in a computer to create a few circuits, and then be expected to also build those circuits with a breadboard. Both of these tasks are fun, and not too difficult once you get a hang of the procedures involved.

1. This first circuit is a great example of a **SERIES** circuit. Here the components (all the squiggly resistors) are placed in *series*, or one right after another. This means the same electricity must flow through all of them to complete the circuit.

You need to create this exact circuit in MULTISIM and then also BREADBOARD it and confirm that it works. Check the voltage on your breadboarded circuit to see if it matches the computer simulation!
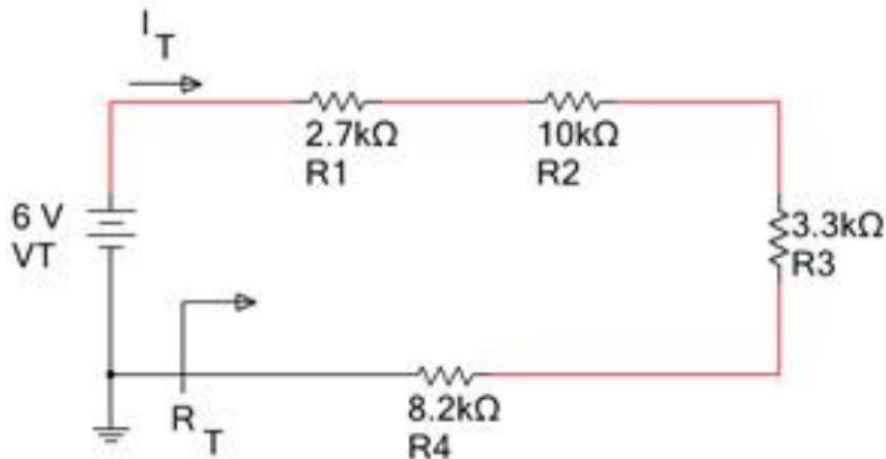
2. This second circuit is a great example of a **PARALLEL** circuit. Here the components (all the squiggly resistors) are placed in *parallel*, or placed in different pathways. This means the electricity flowing through the circuit can go in any of the three pathways.

You need to create this exact circuit in MULTISIM and then also BREADBOARD it and confirm that it works. Check the voltage on your breadboarded circuit to see if it matches the computer simulation!