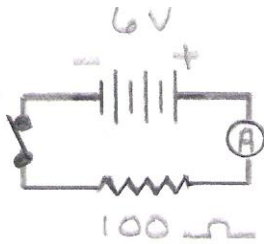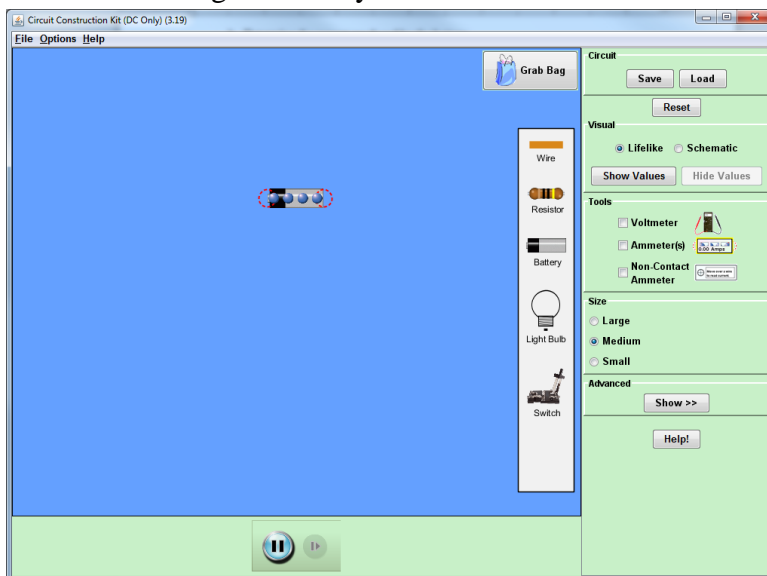Circuit construction instructions

This simulation allows you build a circuit by dragging components with your mouse and placing them together on the screen.

The first circuit we need to build is:
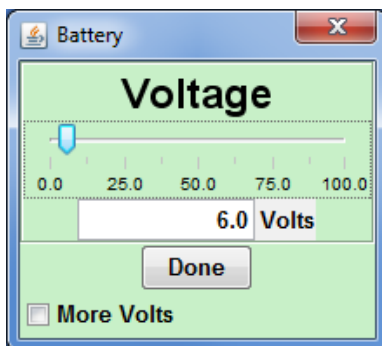

First we can drag the battery into the blue screen
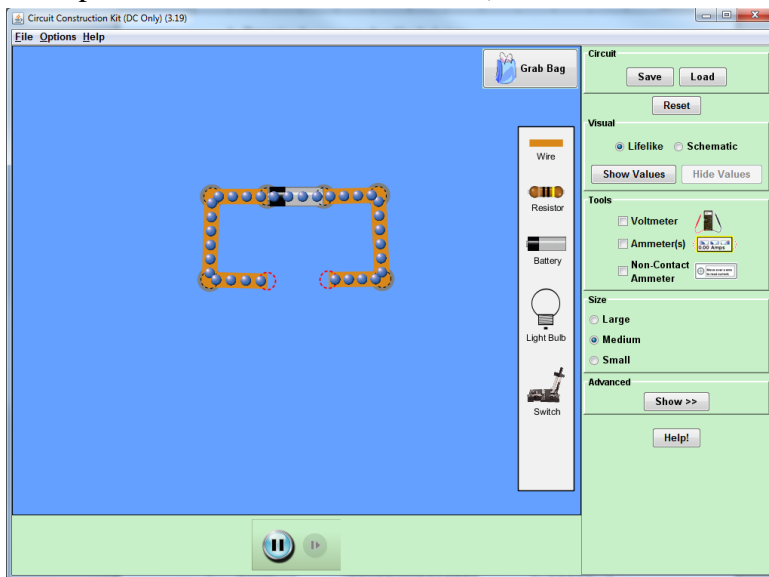

The diagram calls for 6 V.

      Right click on the battery and select change voltage.
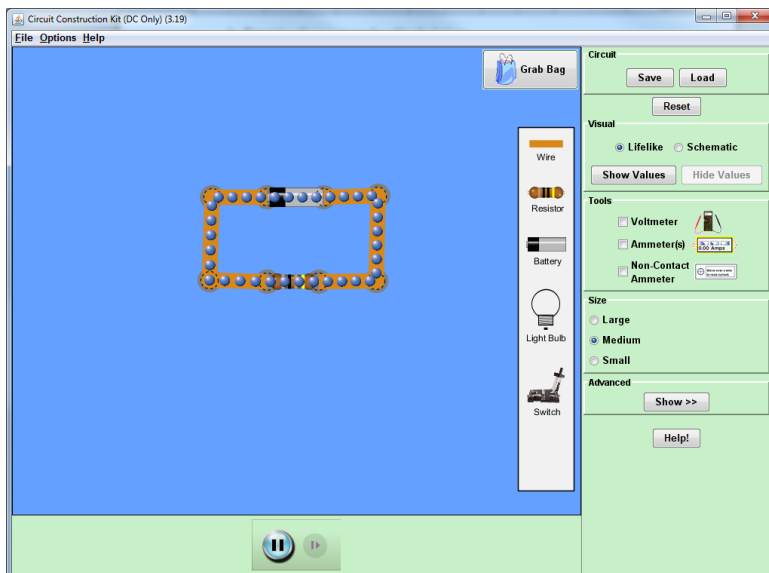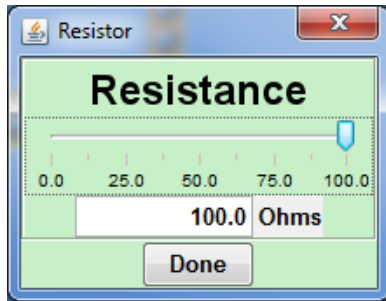
      Type in 6

Click Done

Now drag in wires on either side of the battery. (A closed switch is just like a plain wire, so just use a plain wire instead of the switch.)
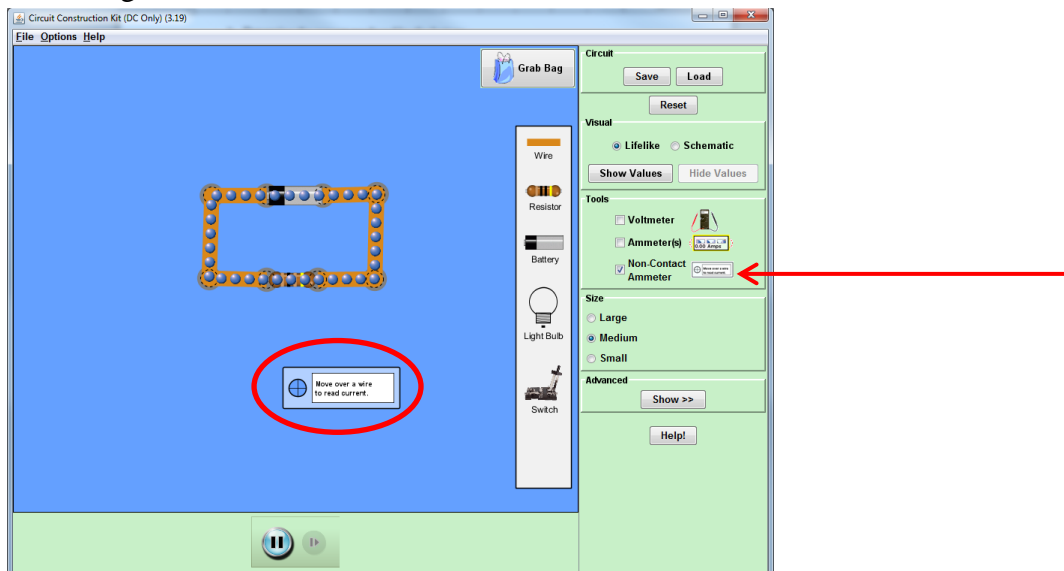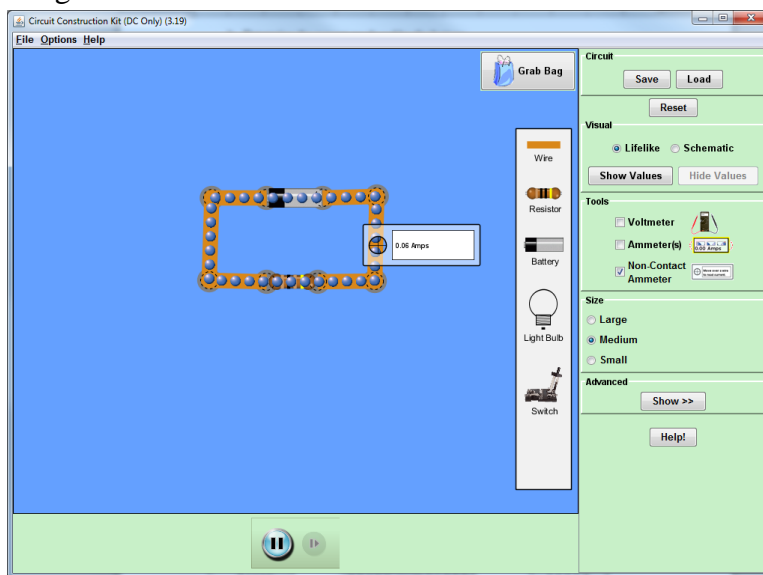

Add in the resistor

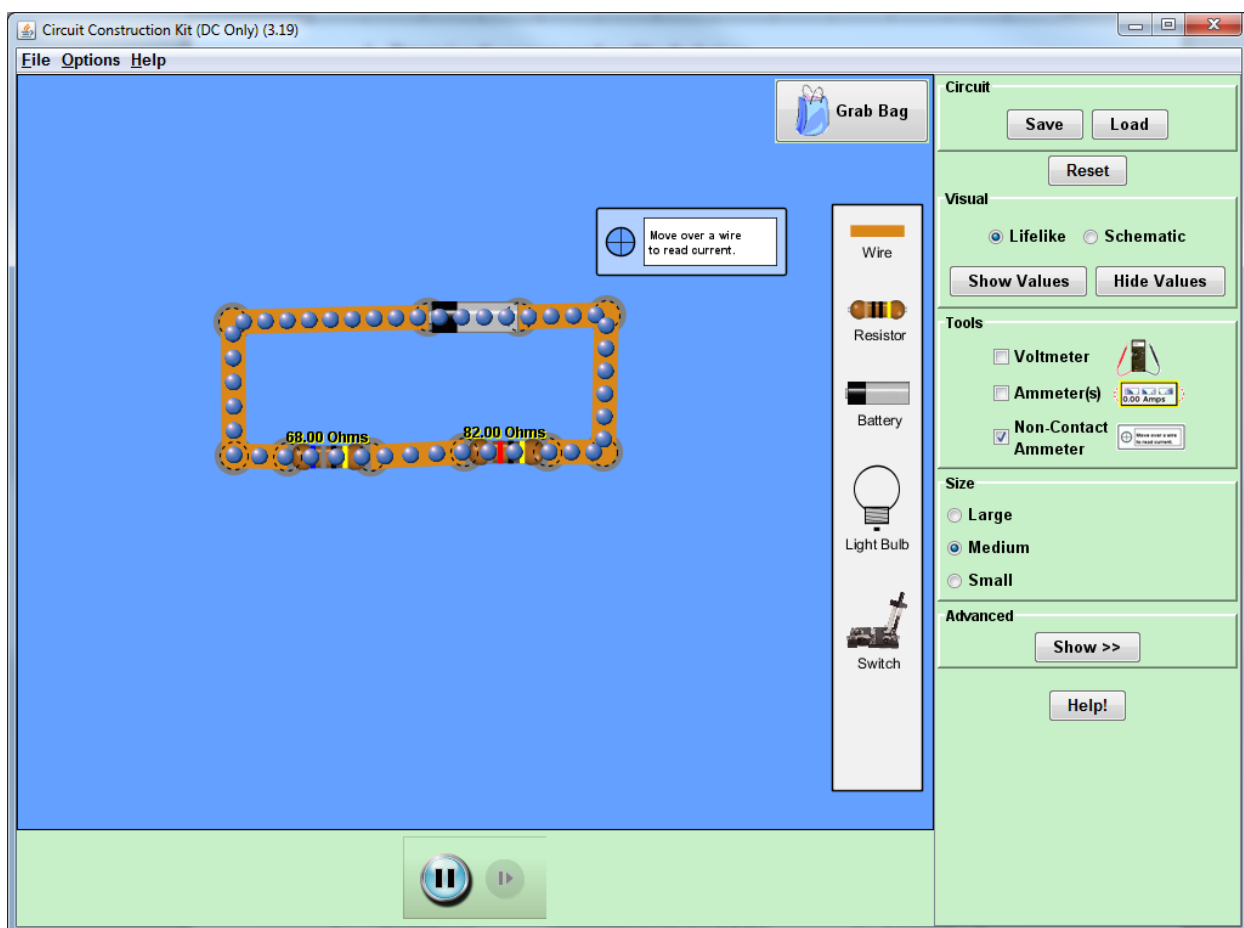Right click on the resistor to change the resistance to 100 Ω
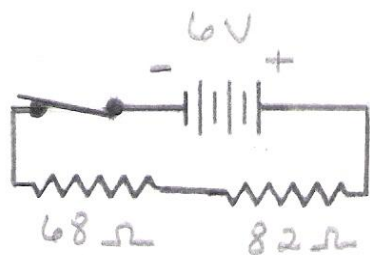

On the right hand side of the screen, select "non-contact ammeter"

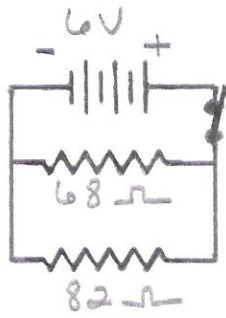Drag the ammeter on to a section of wire to read the current

Follow similar steps to build the other two circuits

6V

+ −

68 Ω

82 Ω

Circuit Construction Kit (DC Only) (3.19)

File Options Help

Grab Bag

Move over a wire to read current.

Wire

Resistor

Battery

Light Bulb

Switch

68.00 Ohms

82.00 Ohms

Circuit

Save   Load

Reset

Visual

◉ Lifelike   ○ Schematic

Show Values   Hide Values

Tools

☐ Voltmeter

☐ Ammeter(s)   0.00 Amps

☑ Non-Contact Ammeter   Move over a wire to read current.

Size

○ Large

◉ Medium

○ Small

Advanced

Show >>

Help!