

Making Steppers

Sliders are in the geogebra file; steppers are in the webpage (html file).

1. In GeoGebra, open your ggb file.
 2. Input numbers for the maximum, minimum and step values.
 - a. If you have a slider, find the max, min and step (increment) values.
If you just have a number, then decide on the max, min and step (increment) values for this number.
 - b. Define a variable in geogebra by appending “max” to the variable name. The name must be **exactly** as your number and “max” must be lower case!
For example, for the number **a** with max value **5**, input **amax=5** and hit Enter.
 - c. Define minimum - for the number **a** with min value **1**, input **amin=1** and hit Enter.
 - d. Define step - for the number **a** with step value **1**, input **astep=1** and hit Enter.
 3. Repeat step 2 for all the numbers you want to be steppers. (In our example, we did **b** too.) Hide the algebra window ☺ and save your ggb file.
 4. Export your ggb file to a dynamic worksheet (html).
5. Open the folder where the ggb and html file are located.
6. Open the html file for editing.

g. After tag: <body>

Hit enter and add (copy&paste) these lines of code:

```
<script type="text/javascript">
function forstep(obj) {
var applet=document.ggbApplet;
N=applet.getValue(obj); //Get obj value from the .ggb
step=applet.getValue(obj+"step"); //Get step value from the .ggb
Nmax=applet.getValue(obj+"max"); //Get max value from the .ggb
if(N<Nmax) {
N=N+step;
applet.evalCommand(obj + " = " + N);
} //if
} //forstep()
</script>
<script type="text/javascript">
function backstep(obj) {
var applet=document.ggbApplet;
N=applet.getValue(obj); //Get obj value from the .ggb
step=applet.getValue(obj+"step"); //Get step value from the .ggb
Nmin=applet.getValue(obj+"min"); //Get min value from the .ggb
if(N>Nmin) {
N=N-step;
applet.evalCommand(obj+"="+N);
} //if
} //backstep()
</script>
```

