```
<value name="TEXT">
            <shadow type="text" id="]xrc2RqoNVm~8u`FI%Oa">
            <field name="TEXT">abc</field>
            </shadow>
            <block type="logic_boolean" id="-:KxcBpiisN+5_Y{tA2j">
            <field name="BOOL">TRUE</field>
            </block>
            </value>
      </block>
      </next>
      </block>
      </next>
      </block>
      </next>
 </block>
</xml>
```

1.3 Variables

Prints 3 variables

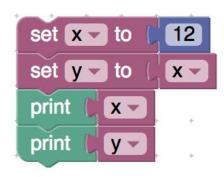
```
set First to 1.5
set Second to 2
set Third to 44 Hello 22
print First print Second print Third
```

```
<xml xmlns="http://www.w3.org/1999/xhtml">
 <variables>
     <variable type="" id="iXrTE;WVxy^k;oOiD=`[">First</variable>
     <variable type="" id="fYk6z4K@0cfZ?cgH,iql">Second</variable>
     <variable type="" id="YzjC(|Jn@`W$}vQTp]G5">Third</variable>
 </variables>
 <field name="VAR" id="iXrTE;WVxy^k;oOiD=`[" variabletype="">First</field>
     <value name="VALUE">
     <block type="math_number" id="]mF[9Z8#^$Trkaxe75a[">
     <field name="NUM">1.5</field>
     </block>
     </value>
     <next>
     <br/><block type="variables set" id="h@2]IzCyx+D(isFyL}x+">
     <field name="VAR" id="fYk6z4K@0cfZ?cgH,iql" variabletype="">Second</field>
     <value name="VALUE">
     <br/><block type="math number" id="H+*(/X.Y`boqF_Z(Be1,">
     <field name="NUM">2</field>
     </block>
     </value>
     <next>
     <field name="VAR" id="YzjC(|Jn@`W$\vQTp]G5" variabletype="">Third</field>
     <value name="VALUE">
     <block type="text" id="t1PwZ+9v 2zcFhqc@]KK">
           <field name="TEXT">Hello</field>
     </block>
```

```
</value>
      <next>
      <br/><block type="text_print" id="m8ec8n!N+[S6mt0b?cU2">
            <value name="TEXT">
            <shadow type="text" id="J~cV)h1S(mpk?:sGAY1s">
            <field name="TEXT">abc</field>
            </shadow>
            <blook type="variables get" id="6HrQy6.eA]s!}t]3i}k@">
            <field name="VAR" id="iXrTE;WVxy^k;oOiD=`["
variabletype="">First</field>
            </block>
            </value>
            <next>
            <block type="text print" id="Y@LHTyof[VCc}gB5O*c4">
            <value name="TEXT">
            <shadow type="text" id="apfORQnFqQ(rZF/Pz=DV">
            <field name="TEXT">abc</field>
            </shadow>
            <field name="VAR" id="fYk6z4K@0cfZ?cgH,igl"
variabletype="">Second</field>
            </block>
            </value>
            <next>
            <br/><block type="text_print" id="V,L)/jmup@Z!GS]]0!Am">
            <value name="TEXT">
                  <shadow type="text" id="9~;c}DU]N$T-x EP(+*C">
                  <field name="TEXT">abc</field>
                  </shadow>
                  <block type="variables get" id="Qzvib*m^P7+!U-alN:L)">
                  <field name="VAR" id="YzjC(|Jn@`W$}vQTp]G5"
variabletype="">Third</field>
                  </block>
            </value>
            </block>
            </next>
            </block>
            </next>
      </block>
```

```
</next>
</block>
</next>
</block>
</next>
</block>
</next>
</block>
```

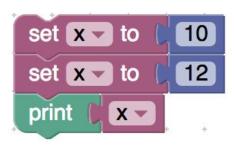
Assign a variable to another variable (Try running):



```
<xml xmlns="http://www.w3.org/1999/xhtml">
 <variables>
      <variable type="" id="j2)ND?%-hp1dpitN^+i^">x</variable>
      <variable type="" id="|~G.hE=O(*dM4`Y|82bZ">y</variable>
 </variables>
 <bloom><br/><block type="variables" set" id="Rm`*BdE%yFy:r^kxVS+3" x="-213" y="-112"></br>
      <field name="VAR" id="j2)ND?%-hp1dpitN^+i^" variabletype="">x</field>
      <value name="VALUE">
      <br/><block type="math_number" id="5k8e-R{CU3ot:e{V9Udn">
      <field name="NUM">12</field>
      </block>
      </value>
      <next>
      <field name="VAR" id="|~G.hE=O(*dM4`Y|82bZ" variabletype="">y</field>
      <value name="VALUE">
      <br/><block type="variables get" id="YHKIRE2d`y#EUKC(518*">
      <field name="VAR" id="j2)ND?%-hp1dpitN^+i^" variabletype="">x</field>
      </block>
      </value>
      <next>
```

```
<br/><block type="text_print" id="v!0MQVJVjq@v53GVq+}K">
      <value name="TEXT">
      <shadow type="text" id="AQpg|%.vq)MVQ/C0#E{R">
           <field name="TEXT">abc</field>
      </shadow>
      <field name="VAR" id="j2)ND?%-hp1dpitN^+i^" variabletype="">x</field>
      </block>
      </value>
      <next>
      <br/><block type="text_print" id="~M6ae.@u[FT(O124dTxQ">
           <value name="TEXT">
           <shadow type="text" id="wc(;2A[ ,~*4k.e,H8*)">
           <field name="TEXT">abc</field>
           </shadow>
           <blook type="variables get" id="yNmgJFG8V*uu}yZ9lq0s">
           <field name="VAR" id="|~G.hE=O(*dM4`Y|82bZ" variabletype="">y</field>
           </block>
           </value>
      </block>
      </next>
     </block>
     </next>
     </block>
     </next>
 </block>
</xml>
```

Reassignment:



```
<xml xmlns="http://www.w3.org/1999/xhtml">
<variables>
```

```
<variable type="" id="+?B7|RIXfyp ?s~YNhdi">x</variable>
 </variables>
 <field name="VAR" id="+?B7|RIXfyp ?s~YNhdi" variabletype="">x</field>
     <value name="VALUE">
     <blook type="math_number" id="KkLm4jQcLF#AmGDK@v6U">
     <field name="NUM">10</field>
     </block>
     </value>
     <next>
     <field name="VAR" id="+?B7|RIXfyp ?s~YNhdi" variabletype="">x</field>
     <value name="VALUE">
     <blook type="math_number" id=":P1=]$#OM4$GxE-fbMp#">
     <field name="NUM">12</field>
     </block>
     </value>
     <next>
     <br/><block type="text_print" id="W{1+bUdi6F3W{95-Y4$T">
     <value name="TEXT">
     <shadow type="text" id="[AZ0`HtLAH(OJigt;HIV">
           <field name="TEXT">abc</field>
     </shadow>
     <blook type="variables get" id="EhE?w$Y-Doa}tcv+nfpd">
           <field name="VAR" id="+?B7|RIXfyp ?s~YNhdi" variabletype="">x</field>
     </block>
     </value>
     </block>
     </next>
     </block>
     </next>
 </block>
</xml>
```

Dynamic

```
set x to 12

print x to "twelve"

print x v
```

```
<xml xmlns="http://www.w3.org/1999/xhtml">
 <variables>
      <variable type="" id="j2)ND?%-hp1dpitN^+i^">x</variable>
 </variables>
 <bloom><br/><block type="variables" set" id="Rm`*BdE%yFy:r^kxVS+3" x="-213" y="-112"></br>
      <field name="VAR" id="j2)ND?%-hp1dpitN^+i^" variabletype="">x</field>
      <value name="VALUE">
      <blook type="math_number" id="5k8e-R{CU3ot:e{V9Udn">
      <field name="NUM">12</field>
      </block>
      </value>
      <next>
      <block type="text_print" id="k%p[v3gC^)`A^H}BH~47">
      <value name="TEXT">
      <shadow type="text" id="ff7{+kaLa%UKuMxkP-X^">
      <field name="TEXT">abc</field>
      </shadow>
      <blook type="variables get" id="Q@d1.kzl9bAoDD.N4igS">
      <field name="VAR" id="j2)ND?%-hp1dpitN^+i^" variabletype="">x</field>
      </block>
      </value>
      <next>
      <br/><block type="variables_set" id="vf:L!~4avnblJ%hzn@=v">
      <field name="VAR" id="j2)ND?%-hp1dpitN^+i^" variabletype="">x</field>
      <value name="VALUE">
      <blook type="text" id="R[F{rE}c[TVXkb/47~+S">
             <field name="TEXT">twelve</field>
      </block>
      </value>
```

```
<next>
      <br/><block type="text_print" id="Xsymp{=O6=i[|]Vlu34b">
             <value name="TEXT">
             <shadow type="text" id="B]C]?w3]QI[$f)Jq`Mvb">
             <field name="TEXT">abc</field>
             </shadow>
             <br/><block type="variables get" id="Piix#=YdMwUxfr`wRt3@">
             <field name="VAR" id="j2)ND?%-hp1dpitN^+i^" variabletype="">x</field>
             </block>
             </value>
      </block>
      </next>
      </block>
      </next>
      </block>
      </next>
 </block>
</xml>
```

• Swapping:

```
set x to
            10
            " (ten) "
set y to
set temp to
               X
set x to
            y 🕶
            temp
set y to
print
       X w
print
      y -
print
       temp -
```

```
<variables>
     <variable type="" id="j2)ND?%-hp1dpitN^+i^">x</variable>
     <variable type="" id="|~G.hE=O(*dM4`Y|82bZ">y</variable>
     <variable type="" id="nzr ^~^i1dSPhp([?Yau">temp</variable>
</variables>
<bloom><block type="variables" set" id="Rm\*BdE%yFy:r^kxVS+3" x="-313" y="-187"></br>
     <field name="VAR" id="j2)ND?%-hp1dpitN^+i^" variabletype="">x</field>
     <value name="VALUE">
     <blook type="math_number" id="5k8e-R{CU3ot:e{V9Udn">
     <field name="NUM">10</field>
     </block>
     </value>
     <next>
     <br/><block type="variables set" id="fcWn}f6eBU{m=X1~4+DN">
     <field name="VAR" id="|~G.hE=O(*dM4`Y|82bZ" variabletype="">y</field>
     <value name="VALUE">
     <br/><block type="text" id="RV!_joC|u;{.4s19a|@Q">
     <field name="TEXT">ten</field>
     </block>
     </value>
     <next>
     <blook type="variables set" id="ggc1m8rgr{ID:+i(jo6g">
     <field name="VAR" id="nzr ^~^i1dSPhp([?Yau" variabletype="">temp</field>
     <value name="VALUE">
     <blook type="variables get" id="3mls|T@I!OPPh{a$1d}y">
           <field name="VAR" id="j2)ND?%-hp1dpitN^+i^" variabletype="">x</field>
     </block>
     </value>
     <next>
     <block type="variables set" id="mMDIJ:{FFo,2z0%N?nG`">
           <field name="VAR" id="j2)ND?%-hp1dpitN^+i^" variabletype="">x</field>
           <value name="VALUE">
           <br/><block type="variables get" id="yE4axwG745/7jTa`u-#p">
           <field name="VAR" id="|~G.hE=O(*dM4`Y|82bZ" variabletype="">y</field>
           </block>
           </value>
           <next>
           <block type="variables set" id="TF1Kti#;nz2uwEK%XVvN">
           <field name="VAR" i<xml xmlns="http://www.w3.org/1999/xhtml">
```

```
<variables></variables>
   <bloom><block type="text print" id="m{[@,IFs%z0YKIOxj@z-" x="-112" y="-87"></br>
                   <value name="TEXT">
                   <shadow type="text" id="AsESNowomU.O?]|YfrA.">
                   <field name="TEXT">Hello World</field>
                   </shadow>
                   </value>
   </block>
</xml>="}ib%LJzs+H#)jfUv^8t,">
                                                         <field name="VAR" id="j2)ND?%-hp1dpitN^+i^"
variabletype="">x</field>
                                                         </block>
                                      </value>
                                      <next>
                                                         <bloom> <bloom> <bloom> <bloom> <br/> <br/
                                                         <value name="TEXT">
                                                         <shadow type="text" id="S3CkTC,8NgDXHNY668iK">
                                                         <field name="TEXT">abc</field>
                                                         </shadow>
                                                         <br/><block type="variables get" id=";sY+o8Sx{AADjMJU7}*1">
                                                         <field name="VAR" id="|~G.hE=O(*dM4`Y|82bZ"
variabletype="">y</field>
                                                         </block>
                                                         </value>
                                                         <next>
                                                         <blook type="text_print" id="-|*~x,ckNN^~}}CN/!Hg">
                                                         <value name="TEXT">
                                                         <shadow type="text" id="r!#2z}]e.e+?fP3Cv[~y">
                                                         <field name="TEXT">abc</field>
                                                         </shadow>
                                                         <br/><block type="variables get" id="0oTG};gK;5)F#{~AmHx*">
                                                         <field name="VAR" id="nzr ^~^i1dSPhp([?Yau"
variabletype="">temp</field>
                                                         </block>
                                                         </value>
                                                         </block>
                                                         </next>
                                                         </block>
                                      </next>
```

```
</block>
</next>
```

• Try it yourself (swapping):

```
set You to apple "

set Friend to "money"

set temp to You set You to Friend print You print Friend
```

```
</block>
      </value>
      <next>
      <blook type="variables set" id="3P.d3Bry~H8jTb{#^n@g">
      <field name="VAR" id="gfY:Gyj[^66zxA}9bV@C" variabletype="">Friend</field>
      <value name="VALUE">
      <block type="text" id="PMrA4JsXL}9Ra09Jh*3=">
      <field name="TEXT">money</field>
      </block>
      </value>
      <next>
      <blook type="variables set" id="nk~REEZA{%^iPDu3r)t0">
      <field name="VAR" id="nzr_^~^i1dSPhp([?Yau" variabletype="">temp</field>
      <value name="VALUE">
      <bloom>block type="variables get" id="xpVk[*@:tmJ{im..%]In">
             <field name="VAR" id="6TairXSkJ03f*Z2Rbyvs"</pre>
variabletype="">You</field>
      </block>
      </value>
      <next>
      <block type="variables set" id="-%WZiNA.gdI5D0UB~o`C">
             <field name="VAR" id="6TairXSkJ03f*Z2Rbyvs"</pre>
variabletype="">You</field>
             <value name="VALUE">
             <br/><block type="variables_get" id="zjb~OvgLouD7DfW!Zsr/">
             <field name="VAR" id="gfY:Gyj[^66zxA}9bV@C"
variabletype="">Friend</field>
             </block>
             </value>
             <next>
             <br/><block type="variables set" id="fzVF jg+#xkRjS-bXLy?">
             <field name="VAR" id="gfY:Gyj[^66zxA}9bV@C"
variabletype="">Friend</field>
             <value name="VALUE">
             <br/><block type="variables get" id="-!c7d5kyWGLR88@*mX*d">
             <field name="VAR" id="nzr ^~^i1dSPhp([?Yau"
variabletype="">temp</field>
             </block>
             </value>
```

```
<next>
             <br/><block type="text_print" id="eA4!I/J+gRuC^Idm+2WV">
             <value name="TEXT">
                   <shadow type="text" id="?[0sW*HIKha^VQxc(1Q!">
                   <field name="TEXT">abc</field>
                   </shadow>
                   <br/><block type="variables get" id="OMI[dF0rfWsR8oi7#}2M">
                   <field name="VAR" id="6TairXSkJ03f*Z2Rbyvs"
variabletype="">You</field>
                   </block>
             </value>
             <next>
                   <br/><block type="text_print" id=".?kk9I?zYIrWwGcZ2u6I">
                   <value name="TEXT">
                   <shadow type="text" id="r[Dw[;#G772al=K02vb:">
                   <field name="TEXT">abc</field>
                   </shadow>
                   <br/><block type="variables get" id="w!sYgtlT{!|x(kZqiD;w">
                   <field name="VAR" id="gfY:Gyj[^66zxA}9bV@C"
variabletype="">Friend</field>
                   </block>
                   </value>
                   </block>
             </next>
             </block>
             </next>
             </block>
             </next>
      </block>
      </next>
      </block>
      </next>
      </block>
      </next>
 </block>
</xml>
```

1.4 Arithmetic Operations

• Running basic data type: int

```
set Var1 to
                10
set Var2 to
                  10
set Var3 to
set Var4 to
                  10
set Var5 to
print
      Var1 -
print
       Var2 -
print
      Var3 -
print
      Var4
print
       Var5
```

```
<xml xmlns="http://www.w3.org/1999/xhtml">
 <variables>
      <variable type="" id="*,IV:O9]V=@;iJO}p2/?">Var1</variable>
      <variable type="" id="1|(vdXAr5tg^;##J+BZ*">Var2</variable>
      <variable type="" id="`n2F%i@zey@j#D $:Yx(">Var3</variable>
      <variable type="" id="idL9YP)If^0({las/K?=">Var4</variable>
      <variable type="" id="zW}EI2x9L@ZyN#Y0/j}w">Var5</variable>
 </variables>
 <block type="variables set" id="0=K:{+Y rPspSV(f(z+l" x="-562" y="-238">
      <field name="VAR" id="*,IV:O9]V=@;iJO}p2/?" variabletype="">Var1</field>
      <value name="VALUE">
      <blook type="math_number" id="8B!jrW)kAjx[NnqHrz!9">
      <field name="NUM">10</field>
      </block>
      </value>
      <next>
      <block type="variables_set" id="Ejypk`-Q3H7^dn)VzipT">
      <field name="VAR" id="1|(vdXAr5tg^;##J+BZ*" variabletype="">Var2</field>
      <value name="VALUE">
      <br/><block type="math_arithmetic" id="N|,$my{FH;Tn:$VG-fXV">
      <field name="OP">ADD</field>
      <value name="A">
```

```
<field name="NUM">10</field>
      </shadow>
      </value>
      <value name="B">
      <shadow type="math_number" id="%Y#u}k36n:3$ikTn)?TS">
            <field name="NUM">2</field>
      </shadow>
      </value>
      </block>
      </value>
      <next>
      <blook type="variables set" id="bH7Sy BqH~q.DnFe8S-~">
      <field name="VAR" id="`n2F%i@zey@j#D $:Yx(" variabletype="">Var3</field>
      <value name="VALUE">
      <blook type="math arithmetic" id="I{4-j-L1.TcVcx}k]PY|">
            <field name="OP">MINUS</field>
            <value name="A">
            <shadow type="math_number" id="a~%u8?%Fo*aRyoM}6b9%">
            <field name="NUM">10</field>
            </shadow>
            </value>
            <value name="B">
            <shadow type="math_number" id="(CVy{e6z;+_m7cRDJ0KU">
            <field name="NUM">2</field>
            </shadow>
            </value>
      </block>
      </value>
      <next>
      <blook type="variables set" id="LZ e)Ey{af%hapBM8-10">
            <field name="VAR" id="idL9YP)If^0({las/K?="
variabletype="">Var4</field>
            <value name="VALUE">
            <br/><block type="math_arithmetic" id="9I|:)aZY64f(nTzL~JfF">
            <field name="OP">MULTIPLY</field>
            <value name="A">
            <shadow type="math_number" id="%|%J:Mdp/#SCg)3* -tz">
            <field name="NUM">10</field>
```

<shadow type="math_number" id="l!j{,decl*~~bY+`d,`o">

```
</shadow>
                                      </value>
                                      <value name="B">
                                      <shadow type="math_number" id="]_mx)1k@AGcVH59HrVQE">
                                      <field name="NUM">2</field>
                                      </shadow>
                                      </value>
                                      </block>
                                      </value>
                                      <next>
                                      <blook type="variables set" id="p.3ESZBj#3Lk|,rv]Upk">
                                      <field name="VAR" id="zW}EI2x9L@ZyN#Y0/j}w"
variabletype="">Var5</field>
                                      <value name="VALUE">
                                      <blook type="math_arithmetic" id="~BOF?K+b7,]QN_aM8I-6">
                                      <field name="OP">DIVIDE</field>
                                      <value name="A">
                                                         <shadow type="math_number" id="Wp3:-%9UCrK-F{}+z[m8">
                                                         <field name="NUM">10</field>
                                                         </shadow>
                                      </value>
                                      <value name="B">
                                                         <shadow type="math_number" id="LI?gFwhtw.f2orRykFy!">
                                                         <field name="NUM">2</field>
                                                         </shadow>
                                      </value>
                                      </block>
                                      </value>
                                      <next>
                                      <br/><block type="text_print" id="Rp9!.J@Z*Qcr!RFXhd*^">
                                      <value name="TEXT">
                                                         <shadow type="text" id="kGBiGZ=^!gjy.U J+40o">
                                                         <field name="TEXT">abc</field>
                                                         </shadow>
                                                         <bloom> <bloom> <bloom> <bloom> <br/> <br/
                                                         <field name="VAR" id="*,IV:O9]V=@;iJO}p2/?"
variabletype="">Var1</field>
                                                         </block>
                                      </value>
```

```
<next>
                   <blook type="text_print" id="H0$olSbzSgKUEcfcT($p">
                   <value name="TEXT">
                   <shadow type="text" id="0/?|fWVThpjbN=uATpYe">
                   <field name="TEXT">abc</field>
                   </shadow>
                   <blook type="variables get" id="jx*/p}}J*~b28==/4:Da">
                   <field name="VAR" id="1|(vdXAr5tg^;##J+BZ*"
variabletype="">Var2</field>
                   </block>
                   </value>
                   <next>
                   <block type="text print" id="jVT1]#aC@L5RI,L=se%B">
                   <value name="TEXT">
                   <shadow type="text" id="=EP.6Zgj!u$ :(ht#]Pb">
                   <field name="TEXT">abc</field>
                   </shadow>
                   <blook type="variables get" id="}R#ML8] H5Wjzz-nF6eP">
                   <field name="VAR" id="`n2F%i@zey@j#D $:Yx("
variabletype="">Var3</field>
                   </block>
                   </value>
                   <next>
                   <br/><block type="text_print" id="Cv! TxE[Pxm2F??INA8-">
                   <value name="TEXT">
                         <shadow type="text" id="vP)zJLxUDg;aWV6v8s17">
                         <field name="TEXT">abc</field>
                         </shadow>
                         <blook type="variables get" id="gH.^#-;3mMr1IGNtf|sw">
                         <field name="VAR" id="idL9YP)If^0({las/K?="
variabletype="">Var4</field>
                         </block>
                   </value>
                   <next>
                         <br/><block type="text_print" id="5_wo8mFfNcrP[h-v2Pd)">
                         <value name="TEXT">
                         <shadow type="text" id="* !l=gje]g,ZXIFYw/hh">
                         <field name="TEXT">abc</field>
                         </shadow>
```

```
<block type="variables_get" id="t=$4K`!_?PI8zj;ws7F`">
                          <field name="VAR" id="zW}EI2x9L@ZyN#Y0/j}w"
variabletype="">Var5</field>
                          </block>
                          </value>
                          </block>
                   </next>
                   </block>
                   </next>
                   </block>
                   </next>
                   </block>
             </next>
             </block>
             </next>
             </block>
             </next>
      </block>
      </next>
      </block>
      </next>
      </block>
      </next>
 </block>
```

</xml>

```
set Var1 vo
               10
set Var2 to
                  Var1 -
set Var3 to
                  Var1 -
set Var4 to
                  Var1 🕶
set Var5 to
                  Var1 ▼
print
      Var1 ▼
print
      Var2 ▼
print
      Var3 -
print
       Var4
print
       Var5
```

```
<xml xmlns="http://www.w3.org/1999/xhtml">
   <variables>
                   <variable type="" id="*,IV:O9]V=@;iJO}p2/?">Var1</variable>
                   <variable type="" id="1|(vdXAr5tg^;##J+BZ*">Var2</variable>
                   <variable type="" id="`n2F%i@zey@j#D $:Yx(">Var3</variable>
                   <variable type="" id="idL9YP)If^0({las/K?=">Var4</variable>
                   <variable type="" id="zW}EI2x9L@ZyN#Y0/j}w">Var5</variable>
   </variables>
   <block type="variables set" id="0=K:{+Y rPspSV(f(z+l" x="-562" y="-238">
                   <field name="VAR" id="*,IV:O9]V=@;iJO}p2/?" variabletype="">Var1</field>
                   <value name="VALUE">
                   <blook type="math_number" id="8B!jrW)kAjx[NnqHrz!9">
                   <field name="NUM">10</field>
                   </block>
                   </value>
                   <next>
                   <bloom><br/>
<br/>
                   <field name="VAR" id="1|(vdXAr5tg^;##J+BZ*" variabletype="">Var2</field>
                   <value name="VALUE">
                   <bloom><br/><block type="math_arithmetic" id="N|,$my{FH;Tn:$VG-fXV"></br>
                   <field name="OP">ADD</field>
                   <value name="A">
                   <shadow type="math_number" id="l!j{,decl*~~bY+`d,`o">
```

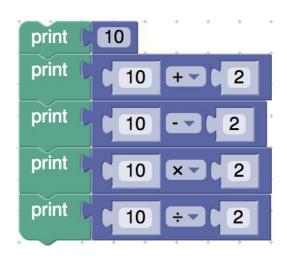
```
<field name="NUM">10</field>
      </shadow>
      <bloom>block type="variables get" id="zEM:auoOz=*US8:KS*Bd">
            <field name="VAR" id="*,IV:O9]V=@;iJO}p2/?"
variabletype="">Var1</field>
      </block>
      </value>
      <value name="B">
      <shadow type="math_number" id="%Y#u}k36n:3$ikTn)?TS">
            <field name="NUM">2</field>
      </shadow>
      </value>
      </block>
      </value>
      <next>
      <br/><block type="variables set" id="bH7Sy BqH~q.DnFe8S-~">
      <field name="VAR" id="`n2F%i@zey@j#D $:Yx(" variabletype="">Var3</field>
      <value name="VALUE">
      <blook type="math arithmetic" id="I{4-j-L1.TcVcx}k]PY|">
            <field name="OP">MINUS</field>
            <value name="A">
            <shadow type="math_number" id="a~%u8?%Fo*aRyoM}6b9%">
            <field name="NUM">10</field>
            </shadow>
            <blook type="variables get" id="Em8bSu[by]9m0#|g6O6/">
            <field name="VAR" id="*,IV:O9]V=@;iJO}p2/?"
variabletype="">Var1</field>
            </block>
            </value>
            <value name="B">
            <shadow type="math_number" id="(CVy{e6z;+_m7cRDJ0KU">
            <field name="NUM">2</field>
            </shadow>
            </value>
      </block>
      </value>
      <next>
      <br/><block type="variables set" id="LZ e)Ey{af%hapBM8-10">
```

```
<field name="VAR" id="idL9YP)If^0({las/K?="
variabletype="">Var4</field>
            <value name="VALUE">
            <br/><block type="math_arithmetic" id="9I|:)aZY64f(nTzL~JfF">
            <field name="OP">MULTIPLY</field>
            <value name="A">
            <shadow type="math_number" id="%|%J:Mdp/#SCg)3* -tz">
            <field name="NUM">10</field>
            </shadow>
            <blook type="variables get" id="T}^a5m(Z@eceQ~8 9cB:">
            <field name="VAR" id="*,IV:O9]V=@;iJO}p2/?"
variabletype="">Var1</field>
            </block>
            </value>
            <value name="B">
            <shadow type="math_number" id="] mx)1k@AGcVH59HrVQE">
            <field name="NUM">2</field>
            </shadow>
            </value>
            </block>
            </value>
            <next>
            <bloom>block type="variables_set" id="p.3ESZBj#3Lk|,rv]Upk">
            <field name="VAR" id="zW}EI2x9L@ZyN#Y0/j}w"
variabletype="">Var5</field>
            <value name="VALUE">
            <br/><block type="math_arithmetic" id="~BOF?K+b7,]QN_aM8I-6">
            <field name="OP">DIVIDE</field>
            <value name="A">
                   <shadow type="math_number" id="Wp3:-%9UCrK-F{}+z[m8">
                  <field name="NUM">10</field>
                  </shadow>
                  <block type="variables get" id="3piZJHLztMyLwAxXKZBJ">
                  <field name="VAR" id="*,IV:O9]V=@;iJO}p2/?"
variabletype="">Var1</field>
                  </block>
            </value>
            <value name="B">
                  <shadow type="math_number" id="LI?gFwhtw.f2orRykFy!">
```

```
<field name="NUM">2</field>
                                                        </shadow>
                                      </value>
                                      </block>
                                      </value>
                                      <next>
                                      <br/><block type="text_print" id="Rp9!.J@Z*Qcr!RFXhd*^">
                                      <value name="TEXT">
                                                        <shadow type="text" id="kGBiGZ=^!gjy.U J+40o">
                                                         <field name="TEXT">abc</field>
                                                         </shadow>
                                                        <bloom> <bloom> <bloom> <bloom> <br/> <br/
                                                        <field name="VAR" id="*,IV:O9]V=@;iJO}p2/?"
variabletype="">Var1</field>
                                                        </block>
                                      </value>
                                      <next>
                                                        <block type="text print" id="H0$olSbzSgKUEcfcT($p">
                                                        <value name="TEXT">
                                                        <shadow type="text" id="0/?|fWVThpjbN=uATpYe">
                                                        <field name="TEXT">abc</field>
                                                        </shadow>
                                                        <blook type="variables get" id="jx*/p}}J*~b28==/4:Da">
                                                        <field name="VAR" id="1|(vdXAr5tg^;##J+BZ*"
variabletype="">Var2</field>
                                                         </block>
                                                        </value>
                                                        <next>
                                                        <blook type="text_print" id="jVT1]#aC@L5RI,L=se%B">
                                                        <value name="TEXT">
                                                        <shadow type="text" id="=EP.6Zgi!u$ :(ht#]Pb">
                                                        <field name="TEXT">abc</field>
                                                        </shadow>
                                                        <blook type="variables get" id="}R#ML8] H5Wjzz-nF6eP">
                                                        <field name="VAR" id="`n2F%i@zey@j#D $:Yx("
variabletype="">Var3</field>
                                                        </block>
                                                         </value>
                                                        <next>
```

```
<br/><block type="text_print" id="Cv! TxE[Pxm2F??INA8-">
                   <value name="TEXT">
                          <shadow type="text" id="vP)zJLxUDg;aWV6v8s17">
                          <field name="TEXT">abc</field>
                          </shadow>
                          <blook type="variables get" id="gH.^#-;3mMr1IGNtf|sw">
                          <field name="VAR" id="idL9YP)If^0({las/K?="
variabletype="">Var4</field>
                          </block>
                   </value>
                   <next>
                          <br/><block type="text_print" id="5_wo8mFfNcrP[h-v2Pd)">
                          <value name="TEXT">
                          <shadow type="text" id="* !l=qje]g,ZXIFYw/hh">
                          <field name="TEXT">abc</field>
                          </shadow>
                          <block type="variables get" id="t=$4K`! ?PI8zi;ws7F`">
                          <field name="VAR" id="zW}EI2x9L@ZyN#Y0/j}w"
variabletype="">Var5</field>
                          </block>
                          </value>
                          </block>
                   </next>
                   </block>
                   </next>
                   </block>
                   </next>
                   </block>
             </next>
             </block>
             </next>
             </block>
             </next>
      </block>
      </next>
      </block>
      </next>
      </block>
      </next>
```

```
</block>
```



```
<xml xmlns="http://www.w3.org/1999/xhtml">
    <variables></variables>
    <block type="text print" id="W{1+bUdi6F3W{95-Y4$T" x="-138" y="-138">
                        <value name="TEXT">
                        <shadow type="text" id="[AZ0`HtLAH(OJigt;HIV">
                        <field name="TEXT">abc</field>
                        </shadow>x
                        <br/>

                        <field name="NUM">10</field>
                        </block>
                        </value>
                        <next>
                        <br/><block type="text_print" id="[JDX_A:P5*K)sb/C]dA9">
                        <value name="TEXT">
                        <shadow type="text" id="{%Ew,%=IUKNz2GQ(]QtX">
                        <field name="TEXT">abc</field>
                        </shadow>
                        <br/><block type="math arithmetic" id="T/InN %W;WrzV6 GjUf}">
                        <field name="OP">ADD</field>
                        <value name="A">
                        <shadow type="math number" id="S[[q1=O%O4Fm:#uK8-bj">
```

```
<field name="NUM">10</field>
</shadow>
</value>
<value name="B">
<shadow type="math_number" id="}%h}zrY1[plLk}SF`^40">
      <field name="NUM">2</field>
</shadow>
</value>
</block>
</value>
<next>
<blook type="text print" id=":2.6k/+w}WudF k$i3,{">
<value name="TEXT">
<shadow type="text" id="~m/x/Qs8/^Q%3zXO2YI5">
      <field name="TEXT">abc</field>
</shadow>
<bloom><br/><block type="math_arithmetic" id="K$i;efS3kyYt9Y)h3m=C"></br>
      <field name="OP">MINUS</field>
      <value name="A">
      <shadow type="math_number" id="F!6?#y;=+K/GyF]9*kC-">
      <field name="NUM">10</field>
      </shadow>
      </value>
      <value name="B">
      <shadow type="math_number" id="],Er@S~JZIEHNf_wr]xF">
      <field name="NUM">2</field>
      </shadow>
      </value>
</block>
</value>
<next>
<br/><block type="text_print" id="A4Fxynn!BfH+(4^{3Hgn">
      <value name="TEXT">
      <shadow type="text" id="~m/x/Qs8/^Q%3zXO2YI5">
      <field name="TEXT">abc</field>
      </shadow>
      <bloom><br/><block type="math_arithmetic" id="QzX{%ia#QebnDnT^e?5p"></br>
      <field name="OP">MULTIPLY</field>
      <value name="A">
```

```
<field name="NUM">10</field>
      </shadow>
      </value>
      <value name="B">
      <shadow type="math_number" id="%wr+}{R.cs?.PC~7{Is8">
      <field name="NUM">2</field>
      </shadow>
      </value>
      </block>
      </value>
      <next>
      <blook type="text_print" id="5b/@dJeAh*_-M2O#QM=%">
      <value name="TEXT">
      <shadow type="text" id="~m/x/Qs8/^Q%3zXO2YI5">
      <field name="TEXT">abc</field>
      </shadow>
      <blook type="math_arithmetic" id="ea}m|@Tul~SG{%5xU;uH">
      <field name="OP">DIVIDE</field>
      <value name="A">
            <shadow type="math number" id="SO-O 7fmBZz69P+=Os^G">
            <field name="NUM">10</field>
            </shadow>
      </value>
      <value name="B">
            <shadow type="math_number" id="},+14`dTlk_cj{FGk/Uu">
            <field name="NUM">2</field>
            </shadow>
      </value>
      </block>
      </value>
      </block>
      </next>
</block>
</next>
</block>
</next>
</block>
</next>
```

<shadow type="math_number" id="\$.6jMlsoFs{rp\$8Wla8x">

```
</block>
</xml>
```

```
set Var1 to
                               2.5
                 12.5
set Var2 to
                  12.5
                               2.5
set Var3 to
                  12.5
                        XV
                               2.5
set Var4 to
                  12.5
                        ֥
                               2.5
print
       Var1 ▼
print
      Var2 ▼
print
       Var3
print
       Var4
```

<xml xmlns="http://www.w3.org/1999/xhtml"> <variables>

<field name="NUM">2.5</field>

</shadow> </value>

```
<variable type="" id="E(ZF@jUM}`we(Q#,c)%y">Var1
<variable type="" id="eXXjLdJ`du_6!hK%~6UL">Var2
<variable type="" id="|nr.g4Bk^ZJ#GF|izP!%">Var3</variable>
<variable type="" id="1^O?9Tr|d6v9{AaPmg=b">Var4
```

</variables>

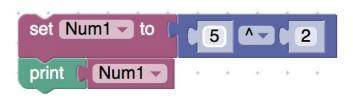
<blook type="variables set" id="#[yN}1Ru~lvm03(dHK`w" x="-188" y="-188"> <field name="VAR" id="E(ZF@jUM}`we(Q#,c)%y" variabletype="">Var1</field> <value name="VALUE"> <blook type="math_arithmetic" id=".T^oEy:`nYPy:b|NEJOQ"> <field name="OP">ADD</field> <value name="A"> <shadow type="math_number" id="ITfm/~3P`h)IN|mf0.LJ"> <field name="NUM">12.5</field> </shadow> </value> <value name="B"> <shadow type="math_number" id="]q*6 /P9I]Y.hYoJvCn2">

```
</block>
</value>
<next>
<block type="variables set" id=":ggXkPaS[]`NSMeC~7wl">
<field name="VAR" id="eXXjLdJ'du 6!hK%~6UL" variabletype="">Var2</field>
<value name="VALUE">
<block type="math arithmetic" id="NXIbSS:*iCUY89Hi6`Vj">
<field name="OP">MINUS</field>
<value name="A">
<shadow type="math_number" id="F4|Rr)E]CccSS-3h/oo=">
      <field name="NUM">12.5</field>
</shadow>
</value>
<value name="B">
<shadow type="math_number" id="k=PBx9KSB~}fa7#,-wcS">
      <field name="NUM">2.5</field>
</shadow>
</value>
</block>
</value>
<next>
<br/><block type="variables_set" id="wMRH6KF:I5MpNt$B(HB?">
<field name="VAR" id="|nr.g4Bk^ZJ#GF|izP!%" variabletype="">Var3</field>
<value name="VALUE">
<br/><block type="math_arithmetic" id="d}AK6:hOrCwsK3U!B5tU">
      <field name="OP">MULTIPLY</field>
      <value name="A">
      <shadow type="math_number" id="~PcFk*Zak:Ua9r~A2PM(">
      <field name="NUM">12.5</field>
      </shadow>
      </value>
      <value name="B">
      <shadow type="math_number" id="A!cX+]rcFK~bNv[_z?A?">
      <field name="NUM">2.5</field>
      </shadow>
      </value>
</block>
</value>
<next>
```

```
<blook type="variables set" id="(^cgF7)O`5N-LyiyB%Zw">
            <field name="VAR" id="1^O?9Tr|d6v9{AaPmg=b"
variabletype="">Var4</field>
            <value name="VALUE">
            <blook type="math_arithmetic" id="|)AIZwSi1jE42eBpi}B2">
            <field name="OP">DIVIDE</field>
            <value name="A">
            <shadow type="math_number" id="Jwgn=B[AXj|uq~:`o;K5">
            <field name="NUM">12.5</field>
            </shadow>
            </value>
            <value name="B">
            <shadow type="math_number" id="m3U(~}|tNRyFP+$DFHdx">
            <field name="NUM">2.5</field>
            </shadow>
            </value>
            </block>
            </value>
            <next>
            <br/><block type="text_print" id=" 7YPRZSA3y:H(F3|Plt[">
            <value name="TEXT">
            <shadow type="text" id="7%1W?( aK7`,6Xug|-)2">
            <field name="TEXT">abc</field>
            </shadow>
            <blook type="variables get" id="fMCm,z/(0iBPMCxpj^BS">
            <field name="VAR" id="E(ZF@jUM}`we(Q#,c)%y"
variabletype="">Var1</field>
            </block>
            </value>
            <next>
            <br/><block type="text_print" id="tV_n^43r@[5lp-5cwowv">
            <value name="TEXT">
                   <shadow type="text" id="7%1W?( aK7`,6Xug|-)2">
                   <field name="TEXT">abc</field>
                   </shadow>
                   <br/><block type="variables get" id="*]L 7,gEF]rj#lF42=}/">
                   <field name="VAR" id="eXXjLdJ`du 6!hK%~6UL"
variabletype="">Var2</field>
                   </block>
```

```
</value>
             <next>
                   <blook type="text_print" id="F9,4*X+-g!jcilgP6Znd">
                   <value name="TEXT">
                   <shadow type="text" id="7%1W?( aK7`,6Xug|-)2">
                   <field name="TEXT">abc</field>
                   </shadow>
                   <br/><block type="variables get" id="XdxZ(+Dsf/P;Gsn*iGEL">
                   <field name="VAR" id="|nr.g4Bk^ZJ#GF|izP!%"
variabletype="">Var3</field>
                   </block>
                   </value>
                   <next>
                   <bloom>block type="text_print" id="xDg--QJm5)dFs7|?^:xe">
                   <value name="TEXT">
                   <shadow type="text" id="7%1W?(_aK7`,6Xug|-)2">
                   <field name="TEXT">abc</field>
                   </shadow>
                   <br/><block type="variables get" id="aVP(|m|PF^g$3S.]}u@[">
                   <field name="VAR" id="1^O?9Tr|d6v9{AaPmg=b"
variabletype="">Var4</field>
                   </block>
                   </value>
                   </block>
                   </next>
                   </block>
             </next>
             </block>
             </next>
             </block>
             </next>
      </block>
      </next>
      </block>
      </next>
      </block>
      </next>
 </block>
</xml>
```

Math power of 2 integers



```
<xml xmlns="http://www.w3.org/1999/xhtml">
 <variables>
      <variable type="" id="I*t*:h#H:-l5ut!aNh*5">Num1
 </variables>
 <blook type="variables_set" id="{WsBKUm74KQwaFZ-!%@q" x="137" y="38">
      <field name="VAR" id="I*t*:h#H:-I5ut!aNh*5" variabletype="">Num1</field>
      <value name="VALUE">
      <blook type="math_arithmetic" id="b_OSpv:s4V^Kt]ZyA(E[">
      <field name="OP">POWER</field>
      <value name="A">
      <shadow type="math_number" id="***RNxt2jgZwr/juN,X,">
      <field name="NUM">5</field>
      </shadow>
      </value>
      <value name="B">
      <shadow type="math_number" id="wbj2 /g9\diLlLxl Hi5">
      <field name="NUM">2</field>
      </shadow>
      </value>
      </block>
      </value>
      <next>
      <br/><block type="text_print" id="oQa-F-f*W3XtM@aO%6Tr">
      <value name="TEXT">
      <shadow type="text" id="^/l@()2KF(.BHKS.`yXZ">
      <field name="TEXT">abc</field>
      </shadow>
      <blook type="variables get" id="-2OBv5yI:^Dt;Fd.F/!,">
      <field name="VAR" id="I*t*:h#H:-l5ut!aNh*5" variabletype="">Num1</field>
      </block>
```

```
</value>
</block>

/block>
</xml>
```

Modular Division (Mod Operator)

```
print
          remainder of
                        14
<xml xmlns="http://www.w3.org/1999/xhtml">
 <variables></variables>
 <block type="text_print" id="nzJMCMO$(z]/,O~Bt`5C" x="88" y="38">
      <value name="TEXT">
      <shadow type="text" id="E~y9.xL@v6R~.fstT4ty">
      <field name="TEXT">abc</field>
      </shadow>
      <br/><block type="math modulo" id="|SA*ZYQ0)]Us~^07AZvF">
      <value name="DIVIDEND">
      <shadow type="math_number" id="@$`LB[}SD-=-Zdr@}ZNr">
      <field name="NUM">14</field>
      </shadow>
      </value>
      <value name="DIVISOR">
      <shadow type="math_number" id="xIKD*ZBOIn%7vSr6I1Gt">
      <field name="NUM">3</field>
      </shadow>
      </value>
      </block>
      </value>
 </block>
```

Variable Update Operators

```
set String1 to
                       " Orange "
                       "Juice"
   set String2 to
   set String3 to
                       String1 -
                                          String2 -
   print
          String3 -
<xml xmlns="http://www.w3.org/1999/xhtml">
 <variables>
      <variable type="" id="e?fZ Xk;^|`4Af`jMvtl">String1</variable>
      <variable type="" id="LGF:zrob+]+X:ycHa@%W">String2</variable>
      <variable type="" id=".rf/w{;{2TYlu{o~[5t=">String3</variable>
 </variables>
 <block type="variables set" id="#4@ a,uK#?`6E+88QE3P" x="63" y="113">
      <field name="VAR" id="e?fZ Xk;^|`4Af`jMvtl" variabletype="">String1</field>
      <value name="VALUE">
      <br/><block type="text" id="oF.-HZGWS6MJ4luNC)tA">
      <field name="TEXT">Orange</field>
      </block>
      </value>
      <next>
      <blook type="variables set" id="c)z8!tk6h]%;PqpdErVp">
      <field name="VAR" id="LGF:zrob+]+X:ycHa@%W"
variabletype="">String2</field>
      <value name="VALUE">
      <block type="text" id="D]zhafEZrpaAy?Fk} +S">
      <field name="TEXT">Juice</field>
      </block>
      </value>
```

```
<blook type="variables_set" id="RF#--3=PUr`qL?|S#fg7">
      <field name="VAR" id=".rf/w{;{2TYlu{o~[5t=" variabletype="">String3</field>
      <value name="VALUE">
      <br/><block type="math arithmetic" id=":oD[2DPA`/s775G!)2`M">
            <field name="OP">ADD</field>
            <value name="A">
            <shadow type="math number" id="fZIH[;xHPJzEK/JzfUPG">
            <field name="NUM">1</field>
            </shadow>
            <br/><block type="variables get" id="80~rXx%3 YnP/ko}b2P{">
            <field name="VAR" id="e?fZ Xk;^|`4Af`jMvtl"
variabletype="">String1</field>
            </block>
            </value>
            <value name="B">
            <shadow type="math_number" id="i{xj9UZhu~6hvv)vqa*A">
            <field name="NUM">1</field>
            </shadow>
            <blook type="variables" get" id="MFA,9msP*W/mlsUnKPXt">
            <field name="VAR" id="LGF:zrob+]+X:ycHa@%W"
variabletype="">String2</field>
            </block>
            </value>
      </block>
      </value>
      <next>
      <br/><block type="text_print" id="6aT9yVNn{1TIEGzlamYC">
            <value name="TEXT">
```

<next>

```
<shadow type="text" id="{FAXIN[LY*,rxDeId9.+">
             <field name="TEXT">abc</field>
             </shadow>
             <block type="variables get" id="G8T3bzR3NKH%dit.DV([">
             <field name="VAR" id=".rf/w{;{2TYlu{o~[5t="
variabletype="">String3</field>
             </block>
             </value>
      </block>
      </next>
      </block>
      </next>
      </block>
      </next>
 </block>
</xml>
```

• Alternate way to print string without

set String1 to

Orange 22

```
<br/><block type="variables" set" id="#4@ a,uK#?`6E+88QE3P" x="138" y="138">
      <field name="VAR" id="e?fZ Xk;^|`4Af`jMvtl" variabletype="">String1</field>
      <value name="VALUE">
      <block type="text" id="oF.-HZGWS6MJ4luNC)tA">
      <field name="TEXT">Orange</field>
      </block>
      </value>
      <next>
      <bloom><bloom><br/>block type="variables set" id="c)z8!tk6h]%;PqpdErVp"></br>
      <field name="VAR" id="LGF:zrob+]+X:ycHa@%W"
variabletype="">String2</field>
      <value name="VALUE">
      <blook type="text" id="D]zhafEZrpaAy?Fk} +S">
      <field name="TEXT">Juice</field>
      </block>
      </value>
      <next>
      <br/><block type="text_print" id="6aT9yVNn{1TIEGzlamYC">
      <value name="TEXT">
      <shadow type="text" id="{FAXIN[LY*,rxDeId9.+">
             <field name="TEXT">abc</field>
      </shadow>
      <block type="math_arithmetic" id="{hJj*]5 V2Wrt=5`N*E7">
             <field name="OP">ADD</field>
             <value name="A">
             <shadow type="math_number" id="7}A4o8,r6BpgTnqbKwh2">
             <field name="NUM">1</field>
             </shadow>
             <block type="variables get" id="y9BX:-%J#0[I+AGJEpq)">
```

```
<field name="VAR" id="e?fZ_Xk;^|`4Af`jMvtI"
variabletype="">String1</field>
            </block>
            </value>
             <value name="B">
            <shadow type="math number" id="GaF*t-ywcXXU+x=1P8}.">
             <field name="NUM">1</field>
             </shadow>
            <block type="variables get" id="608ly74=8t,V`dm$TE-:">
            <field name="VAR" id="LGF:zrob+]+X:ycHa@%W"
variabletype="">String2</field>
             </block>
            </value>
      </block>
      </value>
      </block>
      </next>
      </block>
      </next>
 </block>
</xml>
```

Input number

```
<field name="VAR" id="ovXoCe|(%y*~m}oNuvrt" variabletype="">x</field>
     <value name="VALUE">
     <br/><block type="text_prompt_ext" id="C8#sSMn=V!34BDG#.+,]">
     <mutation type="NUMBER"></mutation>
     <field name="TYPE">NUMBER</field>
     <value name="TEXT">
     <shadow type="text" id="{*jU{r%KNz?a=^z%OcQR">
     <field name="TEXT">Please enter a number</field>
     </shadow>
     </value>
     </block>
     </value>
     <next>
     <br/><block type="text_print" id=")]ImiXeUTr(CZ;oH]9wp">
     <value name="TEXT">
     <shadow type="text" id="NiTGry!Xx[uN7j2(slYq">
     <field name="TEXT">abc</field>
     </shadow>
     <br/><block type="variables get" id="Vu]d;%wl]mA^%9kAys@9">
     <field name="VAR" id="ovXoCe|(%y*~m}oNuvrt" variabletype="">x</field>
     </block>
     </value>
     </block>
     </next>
</block>
</xml>
```

•

```
prompt for number with message [ 66 (Please enter an int or float )
 set x to
 print
<xml xmlns="http://www.w3.org/1999/xhtml">
 <variables>
     <variable type="" id="ovXoCe|(%y*~m}oNuvrt">x</variable>
 </variables>
<field name="VAR" id="ovXoCe|(%y*~m}oNuvrt" variabletype="">x</field>
     <value name="VALUE">
     <block type="text prompt ext" id="C8#sSMn=V!34BDG#.+,]">
     <mutation type="NUMBER"></mutation>
     <field name="TYPE">NUMBER</field>
     <value name="TEXT">
     <shadow type="text" id="{*jU{r%KNz?a=^z%OcQR">
     <field name="TEXT">Please enter an int or float</field>
     </shadow>
     </value>
     </block>
     </value>
     <next>
     <block type="text_print" id=")]ImiXeUTr(CZ;oH]9wp">
     <value name="TEXT">
     <shadow type="text" id="NiTGry!Xx[uN7j2(slYq">
     <field name="TEXT">abc</field>
     </shadow>
     <blook type="math_arithmetic" id="#HyZ#zNt$[tdV:7HE6ae">
     <field name="OP">ADD</field>
     <value name="A">
```

```
<shadow type="math_number" id="L1@xekNY8W!ze/[~e%;r">
           <field name="NUM">1</field>
     </shadow>
     <br/><block type="variables get" id="Vu]d;%wl]mA^%9kAys@9">
           <field name="VAR" id="ovXoCe|(%y*~m}oNuvrt" variabletype="">x</field>
     </block>
     </value>
     <value name="B">
     <shadow type="math_number" id="J_JEpD+fmP-,3rP?+Sv^">
           <field name="NUM">5</field>
     </shadow>
     </value>
     </block>
     </value>
     </block>
     </next>
 </block>
</xml>
            prompt for number with message Please enter an int or float
         x - + - 5
<xml xmlns="http://www.w3.org/1999/xhtml">
 <variables>
     <variable type="" id="ovXoCe|(%y*~m}oNuvrt">x</variable>
 </variables>
 <field name="VAR" id="ovXoCe|(%y*~m}oNuvrt" variabletype="">x</field>
     <value name="VALUE">
```

```
<br/><block type="text_prompt_ext" id="C8#sSMn=V!34BDG#.+,]">
<mutation type="NUMBER"></mutation>
<field name="TYPE">NUMBER</field>
<value name="TEXT">
<shadow type="text" id="{*jU{r%KNz?a=^z%OcQR">
<field name="TEXT">Please enter an int or float</field>
</shadow>
</value>
</block>
</value>
<next>
<block type="text_print" id=")]ImiXeUTr(CZ;oH]9wp">
<value name="TEXT">
<shadow type="text" id="NiTGry!Xx[uN7j2(slYq">
<field name="TEXT">abc</field>
</shadow>
<blook type="math_arithmetic" id="#HyZ#zNt$[tdV:7HE6ae">
<field name="OP">ADD</field>
<value name="A">
<shadow type="math_number" id="L1@xekNY8W!ze/[~e%;r">
      <field name="NUM">1</field>
</shadow>
<bloom> <block type="variables_get" id="Vu]d;%wl]mA^%9kAys@9">
      <field name="VAR" id="ovXoCe|(%y*~m}oNuvrt" variabletype="">x</field>
</block>
</value>
<value name="B">
<shadow type="math_number" id="J_JEpD+fmP-,3rP?+Sv^">
      <field name="NUM">5</field>
```

```
</shadow>
```

</value>

</block>

</value>

</block>

</next>

</block>

</xml>