

Binary “Piano” design from Martin Beberman

www.cosc.canterbury.ac.nz



This device is helpful in learning binary numbers.

Instructions:

- Cut along the solid purple lines between the “keys” with 256, 128 etc. on them.
- Fold back on the dotted line so that these instructions are still visible.
- Fold whichever of the strips up that you’d like, to form a binary number.
- The value is computed by the sum below it, showing the powers of 2 that contribute to the sum.

1 1 1 1 1 1 1 1 1

256 +128 +64 +32 +16 +8 +4 +2 +1

TOP

0+

0+

0+

0+

0+

0+

0+

0+

0

0

0

0

0

0

0

0

0

0

BOTTOM