

maths!

Ambigrams

An ambigram is a word designed so that it can be read in more than one direction or orientation.

brov e ai maejids nA
nec ti tutt ee banieob
ano nartt aram ni beaz ad
.noitcniro no noitceib

Ambigrams have either reflection symmetry or rotational symmetry. Look at these ambigrams. Which type of symmetry does each have?

Mathematics
fantasy

dollop

Some letters are easier to use in ambigrams than others. A letter d and a letter p would work well in a rotational ambigram.

Which other letters pair up? Which letters are a reflection of another letter? If words are allowed to have a line of symmetry, what other letters could be used?

CHOICE

Complete each of these ambigrams. You will need to decide whether they will have reflection or rotational symmetry.

NICE

pat

SU

Y
C
U
T
F

bl

Have a go at creating your own ambigrams. Try using your own name or a name of a family member.

Calculator Ambigrams

Numbers on a calculator often look the same when turned upside down. The number 2 on a calculator is an ambigram.

What's the biggest four digit number you can make on a calculator using two numbers that also is an ambigram? What about a five digit number with 3 numbers? Find a square number (bigger than 1) that is an ambigram.

