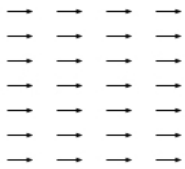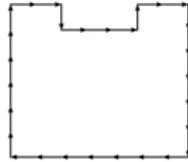For this task, imagine using a number of rods, each with a length of 1 unit.
You will use the rods to create a letter U shape which is symmetrical.
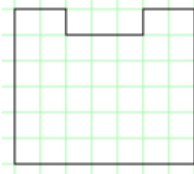
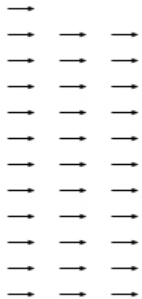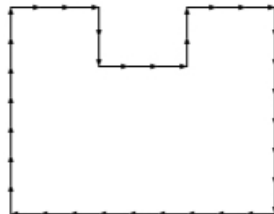Example 1:

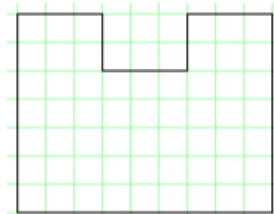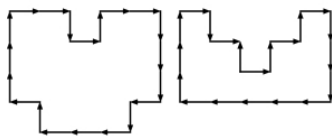| 28 rods | U shape | Area of 39 square units |

Example 2:

| 34 rods | U shape | Area of 57 square units |

The following are not allowed as they are not U-shaped:

Challenge 1

Using 20 rods each time, find one U shape which has an area that is an even number of square units and one which has an area that is an odd number of square units.

Challenge 2

Using any whole number of rods find a U shape with an area of 14 square units.
Can you find **all** the U shapes with an area of 14 square units?
How do you know you've got them all?