

The stick number of any knot  $K$ , denoted by  $s(K)$ , is the smallest number of edges of a polygon equivalent to  $K$ .

How many knots can we make with 3 sticks?

(Note: The only knot with a projection with 2 or fewer crossings is the unknot).

How many knots can we make with 4 sticks?

How many knots can we make with 5 sticks?

In fact, a knot with 4 sticks can have at most 1 crossing.

We can make the trefoil knot with 6 sticks.