

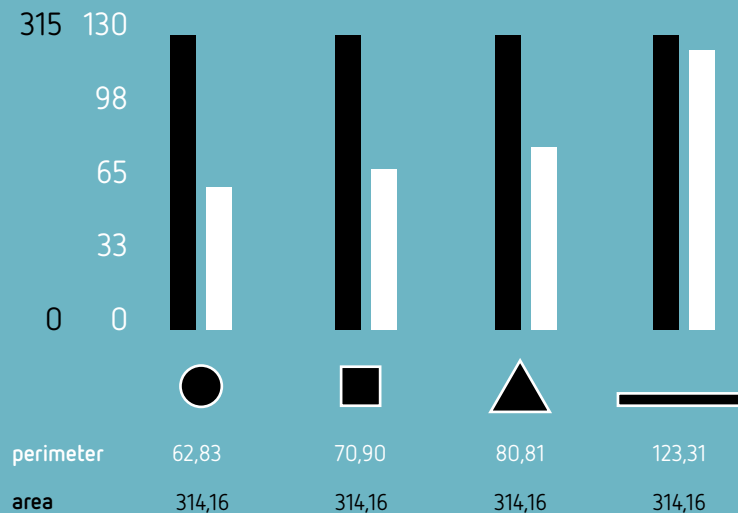
# Perimeter & area

From Norway to Oman



At first glance, it seems logical that a given perimeter always encloses the same area, no matter what shape it is. But that is not correct. Perimeter is the sum of all sides, whereas area is a multiplication.

A circle always has the lowest possible perimeter for a given area.



## area



323.802 km<sup>2</sup>

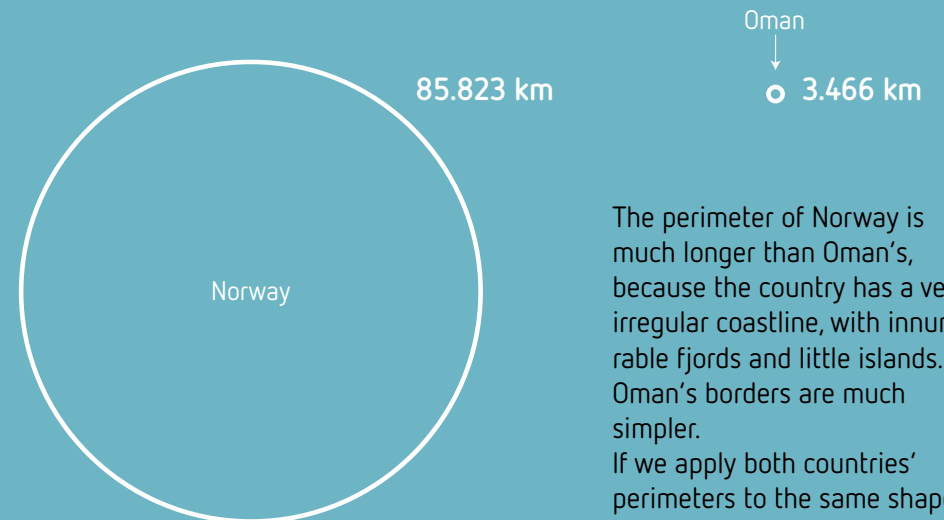


309.500 km<sup>2</sup>

Both countries have more or less the same area. If they were both the same shape, they would look almost identical.

## perimeter

(sum of land boundaries & coastline)



The perimeter of Norway is much longer than Oman's, because the country has a very irregular coastline, with innumerable fjords and little islands. Oman's borders are much simpler. If we apply both countries' perimeters to the same shape again, Norway is a lot bigger than Oman.