# Learning and teaching mathematics through research and inquiry 

1 st example



From a piece of
cardboard cut any shape. The length of the shape is equal to the radius of the circle.







## Examples







2nd example

## Regular polygonal

A regular polygon is a polygon that has all sides of equal length, all angles harmonious with each other.

The vertices of a regular polygonal lie at an equal distance on a circle. each regular polygonal can be drawn and a circle described, the centres of which are at the same point.

## How to begin?

When designing polygons, the students had the information that the side was five centimeters long.

They calculated the size of one inner angle themselves, and with this data they were able to start planning.

Designing regular polygons with a common side


Designing regular polygons with a common vert



O

- O


。
)



Project: Maths is Fine with Digital Style
Project number: 2021-1-CZ01-KA220-SCH-000027773

The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.


