we do

LO: to calculate angles (polygons)

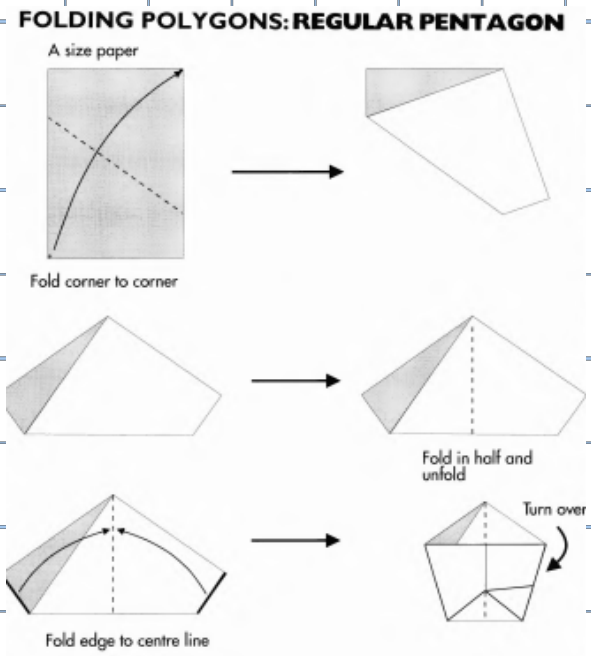
What is a polygon?

What does regular and irregular mean?

I do

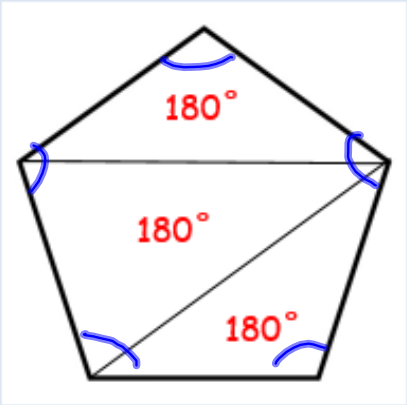
POWERPOINT

we do



Paper Folding Pentagon

Mark on interior and exterior angles



Pentagon

5 sides

3 triangles

3 x 180

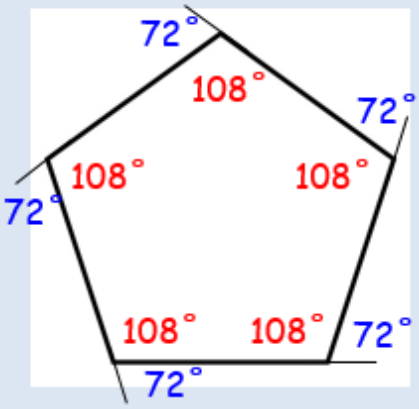
= 540°

Sum of interior angles
= 540°

5 angles

540 ÷ 5

= 108°



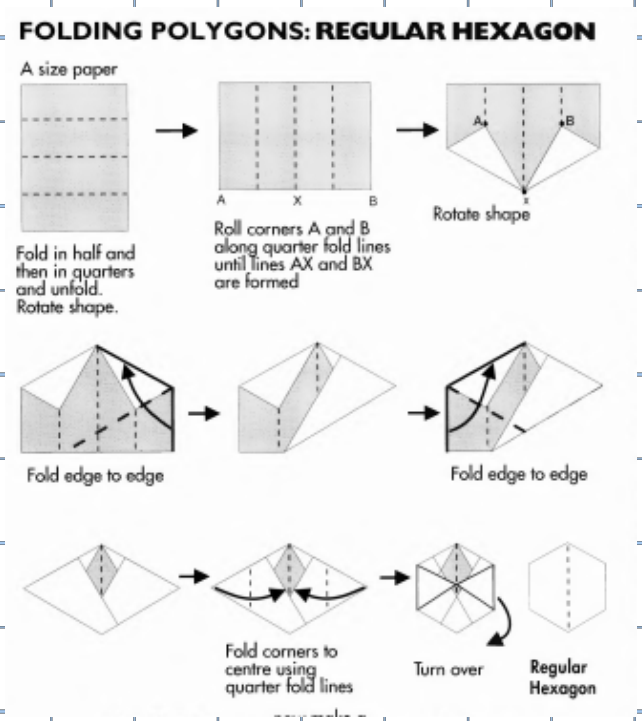
Regular Pentagon

Each interior angle
= 108°

Each exterior angle
= 180 - 108

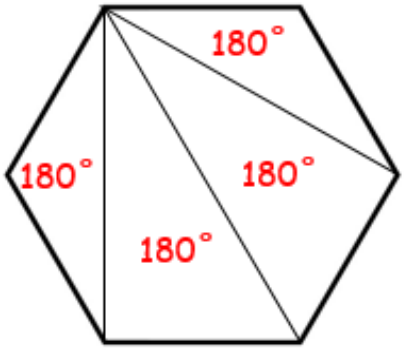
= 72°

we do



Paper Folding Hexagon

Mark on interior and exterior angles



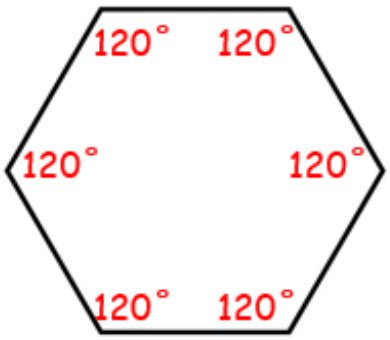
Hexagon

6 sides

4 triangles

4 x 180

= 720°



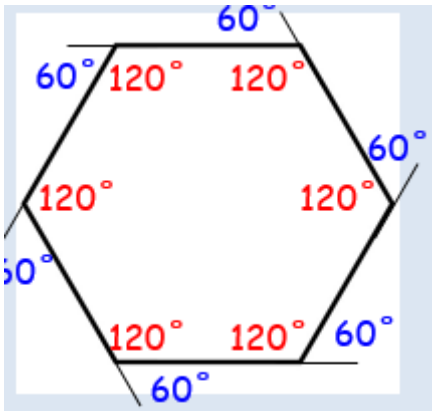
Regular Hexagon

Sum of interior angles
= 720°

6 angles

720 ÷ 6

= 120°



Regular Hexagon

Each interior angle
= 120°

Each exterior angle
= 180 - 120

= 60°

I do

LO: to calculate angles (polygons)

Complete the table:

Name of Polygon	No. of sides	No. of triangles	Sum of interior angles	Interior Angle	Exterior angle	Sum of exterior angles
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					

What is the same? What's different?