

Learning about  
**Quadrilaterals**  
by using  
**Cooperative techniques**

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# 1st STEP: FORM GROUPS OF 4 PEOPLE

- ▶ Different **NATIONALITIES**
- ▶ **MIXING GENRE:** males/ females
- ▶ Varied **AGES** (SIT IN ASCENDING ORDER)

YOU HAVE FORMED THE **JIGSAW GROUPS!**



# 2nd STEP: FLIPPAO TECHNIQUE

- ▶ The **oldest person (Flippao)** of the group goes to the teacher to listen to an explanation
- ▶ Then comes back to the group and explains to the group what the teacher has told him/her

# 3rd STEP: STICKERS ON

- ▶ **Flippao** distributes the stickers
- ▶ Each member sticks his/her **sticker on**



# 4th STEP: FORMING EXPERTS GROUPS

- ▶ **Stand up!**
- ▶ Look for those who have the same figure you have
- ▶ You have formed the **EXPERTS GROUPS:**
  - ▶ Squares group
  - ▶ Rectangles group
  - ▶ Rhombus group
  - ▶ Trapezium group

# 5th STEP: DEFINE YOUR FIGURE

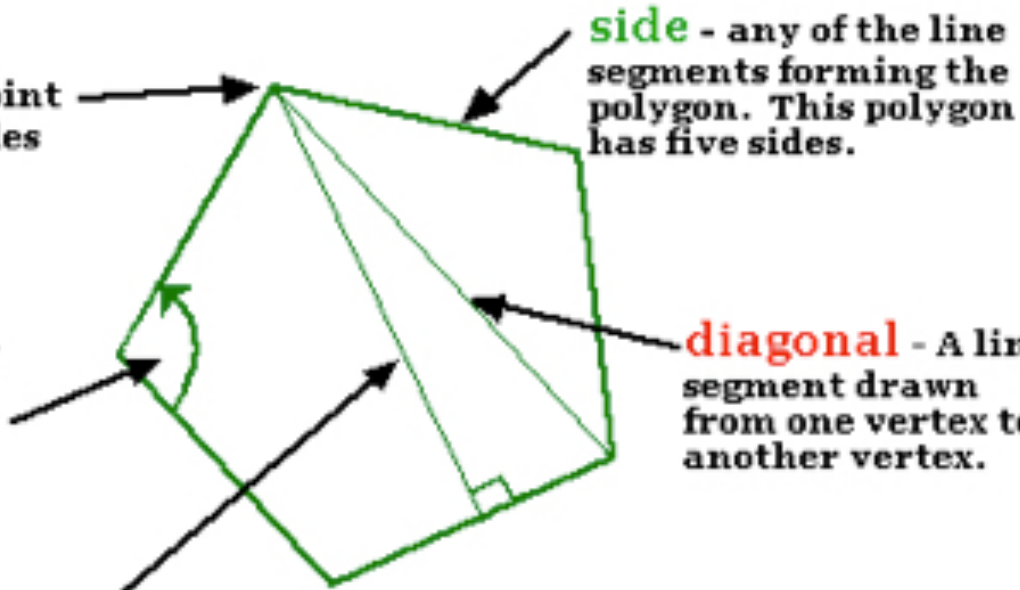
- ▶ Discuss about the characteristics of your figure to **define it**
- ▶ When you agree on the definition, **check it with the teacher**
- ▶ **Each member of the expert group has to have it clear!**



# 5th STEP: DEFINE YOUR FIGURE

## PARTS OF A POLYGON

**vertex** - the point at which two sides meet

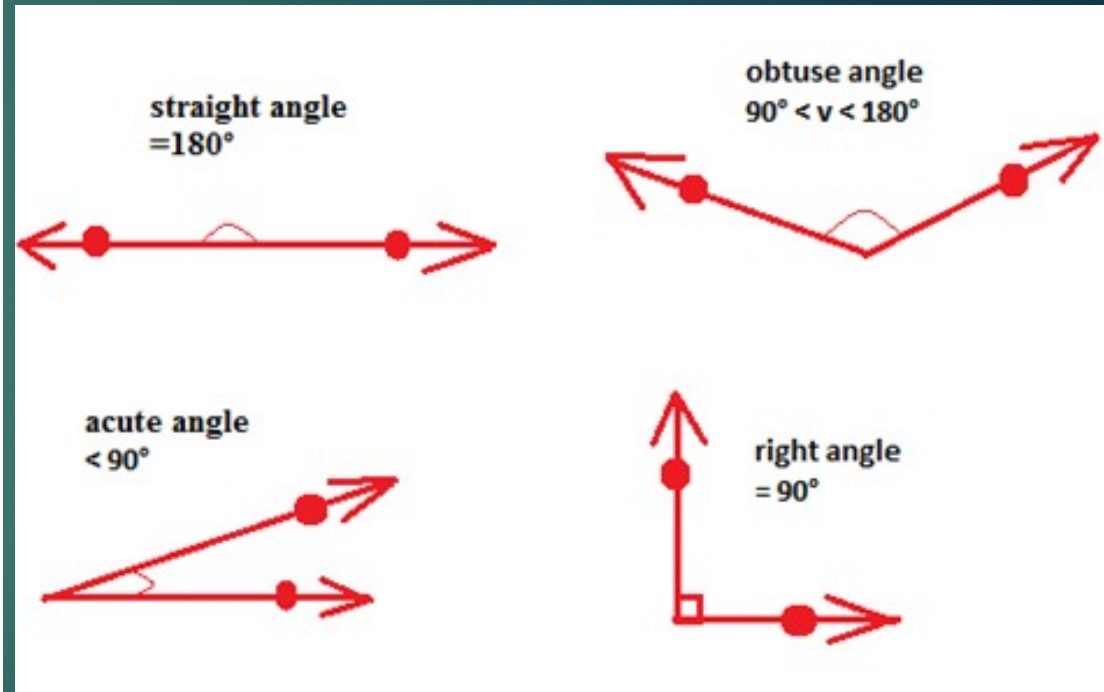


**side** - any of the line segments forming the polygon. This polygon has five sides.

**angle** - formed by two line segments and a vertex

**diagonal** - A line segment drawn from one vertex to another vertex.

**height, or altitude** - a line segment drawn from one vertex perpendicular (at a right angle) to the opposite side.




# 6th STEP: COME BACK TO YOUR JIGSAW GROUP

- ▶ Come back to your original group (your **Jigsaw group**)
- ▶ Each member explains to the Jigsaw group the characteristics of his/her figure **making sure everyone has understood them.**



# 7th STEP: CHEKING WHAT YOU HAVE LEARNT. ROLL THE QUIZ TECHNIQUE

- ▶ Each member answers to **one question** and checks the answer of the **previous question**
- ▶ **Flippao starts. Answer in decreasing order of ages**
- ▶ When you finish, the **whole group agree the answers**

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- ▶ Thank you very much!
  - ▶ Σας ευχαριστώ πολύ!
  - ▶ Благодаря ви много!
  - ▶ Muito obrigada!
  - ▶ Tack så mycket!
  - ▶ Muchas gracias!