



Colegio Bilingüe New Horizons

Our Strongest Conviction is Academic Excellence

Accredited by New England Association of Schools and Colleges (NEASC)

Coordinator: Lucy Ramirez // Teacher: Nayiba Batista

Priscilla Garrido, Principal

E-Bulletin
November – December 2012
5th grade

Mathematics

CONTENTS

GEOMETRY:

ANGLES:

- Clasification
- Measurement
- Sexagesimal System
- Complementary and Supplementary angles.
- Addition and Subtraction of angles (degrees, minutes and seconds)
- Congruent angles.

POLYGONS:

- Review of classification according to the number of sides



Activity

What are some examples of polygons?

- Work with a partner. On a geoboard or dot paper, create examples of polygons with 3 through 12 sides. Have your partner tell how many sides the polygon has and, if possible, name it.
- How many angles are there in a triangle? An octagon? A 12-sided polygon? An n -sided polygon?
- Tell if each road sign suggests a polygon. If so, what is its name? Does it appear to be a regular polygon?

Key Idea
Some polygons have special names that tell how many sides the polygon has.

Vocabulary

- polygon
- triangle
- quadrilateral
- pentagon
- hexagon
- octagon
- regular polygon

Materials

- geoboard or dot paper or tools

Polygons

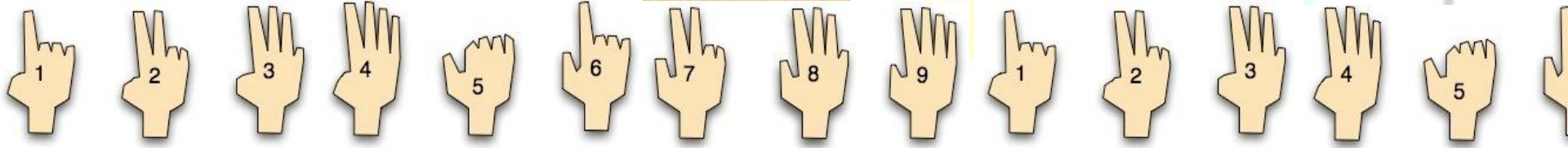
LEARN

What are the names of polygons?

A **polygon** is a closed plane figure made up of line segments. The names of common polygons tell how many sides the polygon has.

Triangle	Quadrilateral	Pentagon	Hexagon	Octagon
3 sides	4 sides	5 sides	6 sides	8 sides

A **regular polygon** has sides of equal length and angles of equal measure.





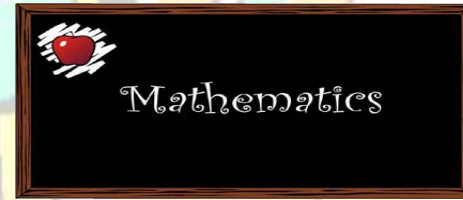
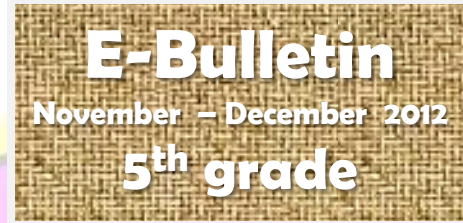
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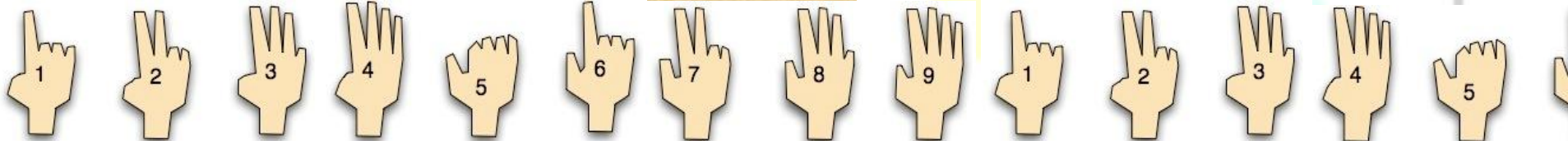
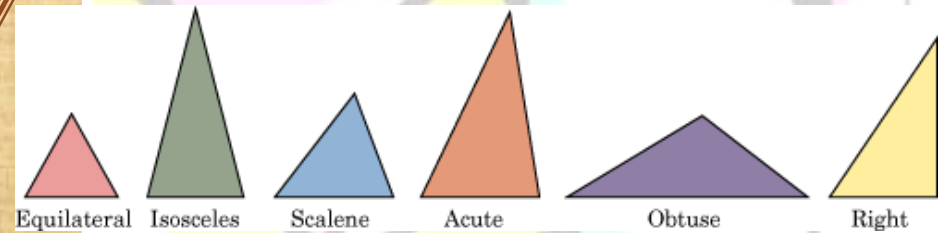
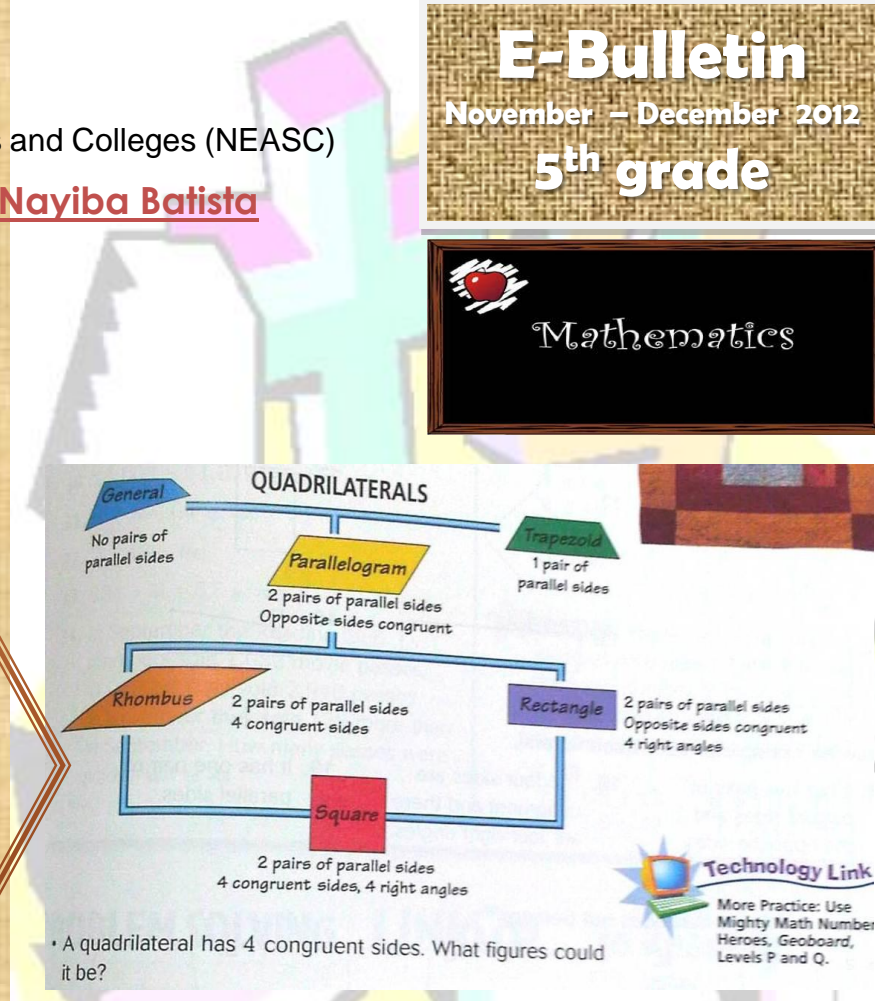
GEOMETRY:

TRIANGLES:

- Identify and definition
- Classification by angles and by sides.
- Elements.
- Base and Height of a triangle.
- Congruent triangles
- Measure of interior angles of a triangle.
- Addition and subtraction of angles of a triangle (degrees, minutes and seconds)

QUADRILATERALS:

- Parallelogram(classification) non parallelogram figures (classification and constructions)
- Sum of the interior angles of a quadrilateral





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August – October 2012

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Mathematics

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GEOMETRY:

CIRCLE:

- Elements of a circle: radius, diameter, chord, tangent, secant, etc.
- Circumference

AREA:

- Metric units of area
- Square meter. Notation.
- Area of parallelogram, trapezoid and other polygons
- Area of a circle and circular sector
- Estimation of areas

VIDEO:

Measuring and Constructing Angles with a Protractor:

<http://www.youtube.com/watch?v=FeclDm7pVcl>

SONGS and more Videos:

youtube.com/watch?v=82HDnvFTZwl&feature=related

www.youtube.com/watch?v=TbR_rakilds&feature=related

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