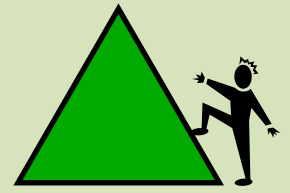# Geometry Rocks !

By: Lydia Lukidis

You learn about math while you are in school,
And you have to admit, geometry is pretty cool.
It's all about points, lines, shapes and space,
All this fun will put a smile to your face!

Here are some riddles that describe two dimensional shapes. Can you guess what they are?

I am very smooth
And I have no angles.
Instead, people have found
That I go round and round.
Who am I?

I am a polygon with only 3 sides.
But I cannot always claim
That all 3 sides are the same.
Who am I?

I am a flat geometrical shape.
I have 6 sides and 6 angles
That are all the same
Unlike rectangles and triangles.
Who am I?

I am a quadrilateral
With 4 sides and 4 corners
That are always exactly the same.
Now let's play a game,
Can you guess who I am?

Here are some riddles that describe three dimensional shapes. Can you guess what they are?

I am a solid shape
Made from a square.
I have 8 corners
And 6 square faces,
And you see me in many places.
Who am I?

I have one flat face on the top
That is a circle.
I have 1 edge and 1 corner.
I rhyme with the words "phone"
And "stone."
Who am I?

I have 2 circular faces at each end
With parallel lines connecting them.
My shape is geometric,
I look like a soda can or a candlestick.
Who am I?

My base is a flat square
And my sides are triangles
That meet at the top to form an apex.
I can be either short or high,
So tell me, who am I?
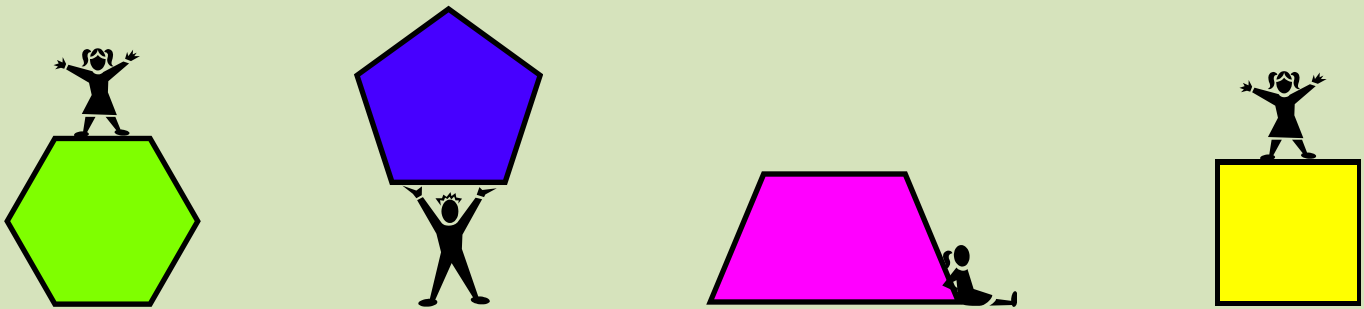
Geometric terms

Match each definition to the correct word.

1. A shape with 4 sides and 4 corners. ___
2. A flat figure with 3 or more sides. ___
3. A shape with 4 sides where 2 of them are parallel. ___
4. A shape with 2 sets of parallel sides. ___
5. The top or highest point of something. It is furthest from the base of an object. ___
6. A point where two or more straight lines meet, like a corner. ___

Here are the choices for the words: A. Apex
B. Parallelogram
C. Polygon
D. Vertex
E. Quadrilateral
F. Trapezoid

True or False?

1. A trapezoid can be a quadrilateral. ___
2. A right angle has 180 degrees. ___
3. An equilateral triangle has the same angles and sides. ___
4. The sum of all the angles in a triangle is 90 degrees. ___
5. Trapezoids and quadrilaterals are also polygons. ___
6. An acute angle is more than 90 degrees. ___
7. A circle has a circumference and a radius. ___