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Quadrilateral Dance (Father Abraham)

Quadrilateral has many shapes
Many shapes has quadrilateral
A square is one of them
Congruent sides
And 4 right angles too
Right arm

Quadrilateral has many shapes Many shapes has quadrilateral A parallelogram, opposite sides Both sets are parallel Right arm, left arm

Quadrilateral has many shapes
Many shapes has quadrilateral
Rectangle's one of them
The corners square
4 right angles around
Right arm, left arm, right leg
Chorus:
Quadrilateral, we do the quadrilateral dance
Let's do the quadrilateral

We do the quadrilateral dance

Quadrilateral has many shapes
And many shapes have quadrilateral
A trapezoid is one, 2 parallel
But the other two are not
Right arm, left arm, right leg, left leg

Quadrilateral has many shapes
Many shapes has quadrilateral
Rhombus could be a square
Or diamond too
Must have congruent sides
Right arm, left, right leg, left leg
SIDES! (Chorus)

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Parallel or Perpendicular (Do Your Ears Hang Low)

Do you see parallel
Lookin' like a double 'L'
Lines that never cross
Never would as well
But when two lines come together
Makin' right angles, we yell...
Perpendicular

Parallel, Lines that never cross
Or Perpendicular, Two lines when they come together
Parallel or Perpendicular

Angles Song (Bingo Song)

There was an angle had a name
And righty was his name-o
Square corner just like so (2 more times)
And righty was his name-o

There was an angle had a name
And acute was his name-o
Closed and cute just like so (2 more times)
And acute was his name-o

There was an angle had a name
And obtuse was his name-o
Open wide just like so (2 more times)
And obtuse was his name-o!

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Triangle (Here We Go 'Round the Mulberry Bush)

Here we go 'round the triangle, triangle, triangle
Here we go 'round the triangle
It's geometry

Equilateral triangle, triangle, triangle
Equilateral triangle
3 congruent sides

Isosceles triangle, triangle, triangle
Isosceles triangle
2 congruent sides

Scalene triangle, triangle, triangle
Scalene triangle
No congruent sides

This-is-a-right triangle, triangle, triangle
This-is-a-right triangle
A right angle it has

Give me my triangle, my triangle (repeats twice)

Song lyrics from: http://www.mscc.cc.tn.us/webs/vyoung/songs/Main_Pages/Tables.htm
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Isometries

Lyrics and <u>Performance</u> by Vicki Young Melody: "Joy to the World"

You can slide them sideways

Or move them up and down.

You can flip them over

Or turn them round and round!

Chorus:

I - sometries, I - sometries,

Rigid transformations -

Reflect, rotate, translations -

Any way you please!

If I were the king of the world,

I'll tell you what I'd do:

I'd translate, rotate, and reflect

A great big smile to you!

Chorus

Song lyrics from: http://www.mscc.cc.tn.us/webs/vyoung/songs/Main_Pages/Tables.htm
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Euclid

Lyrics and <u>Performance</u> by Vicki Young Melody: "Broken Road"

Euclid dreamed of measuring stuff, many years ago.

He wrote down all the rules for us – a method he would show.

The world seemed flat back in his day,

But all his rules still hold today.

He called his math geometry – it's math for you and me.

Chorus:

It was geometry – measure the earth, you see.

It's math that's real for me - angles and symmetry.

Postulates still are true tell us just what to do.

This much I know is true

Geometry is the math I want to teach to you!

Through the years, they added more, with each new theorem found. All those Greeks had found the door to prove the earth was round.

This math still rules the world today,

With all the shapes along our way.

This is the math, geometry – it's math that you can see.

Chorus

Non-Geometry Bonus

Rounding Decimals (Hokey Pokey)

To round a decimal, look to the place value Look to the right, then you look it up and down Is it a 5 or higher? If it is, then turn around Raise it and clean the rest out.

To round a decimal, look to the place value Look to the right, then you look it up and down Is it a 4 or lower? If it is, then turn around.

Keep it and clean the rest out.

Round decimals!

Singing suggestion: Display a large version of a number on the board. When you point to the numbers physically turn yourself to the right and left (turn around).