

Math All Around Me
By Jack Hartmann

1 - Shake Your Hands

Use as a fun movement song to introduce spatial awareness of above-below; high-low; side to side; round & round; and parts of the body too. It's a disco beat!

Shake 1 finger, shake 3 fingers, shake 5 fingers, to the beat.
Shake 6 fingers - shake 10 fingers
All together, shake your hands, dance with me

Chorus

Shake, shake, shake your hands up high
Shake, shake, shake your hands down low
Shake, shake, shake your hands up high
Shake, shake, shake your hands
Everyone, let's go!

Hands by your hips - shake, shake, shake
Hands by your shoulders - shake, shake, shake
Hands to the front - shake, shake, shake
Hands to the back - shake, shake, shake
Hands by your knees - shake, shake, shake
Hands by your bellybutton - shake, shake, shake

Repeat Chorus

Hands side to side - shake, shake, shake
Hands by your ears - shake, shake, shake
Hands round and round - shake, shake, shake
Hands above your head - shake, shake, shake
Hands below your waist - shake, shake, shake
Hands all together - shake, shake, shake

Repeat Chorus

2 - This Old Man

Counting basics to ten with a new beat. Use visuals of numbers & movements to enhance learning.

This old man, he played 1 - he played knick knack on my thumb

Chorus With a knick knack paddywack, give a dog a bone,
This old man came rolling home

(Repeat Chorus after each verse)

This old man, he played 2 - he played knick knack on my shoe

This old man, he played 3 - he played knick knack on my knee

This old man, he played 4 - he played knick knack on the door

This old man, he played 5 - he played knick knack on the hive

This old man, he played 6 - he played knick knack on the sticks

This old man, he played 7 - he played knick knack up in heaven

This old man, he played 8 - he played knick knack on the gate

This old man, he played 9 - he played knick knack on my spine

This old man, he played 10 - he played knick knack over again

3 - The Alligator Chomp

It's Zydeco swamp music to introduce children to patterning. Move hands together swaying back & forth on alligator swing - sway then stomp feet on "stomp all over the place." On "big green eyes move index finger and thumb in a circle & place by eyes & look around. On "chomp" parts, use both arms extended straight out & clap out chomps just like me. After song, children can chomp other patterns.

Chorus

Alligator swing, alligator sway
Alligator stomp all over the place
Big green eyes look over the swamp
Everybody do the alligator chomp
Chomp, chomp - - chomp, chomp
Chomp, chomp - - chomp, chomp
Chomp, chomp, chomp - - chomp, chomp, chomp
Chomp, chomp, chomp - - chomp, chomp, chomp
Chomp, chomp, chomp, chomp - - chomp, chomp, chomp, chomp
Chomp, chomp, chomp, chomp - - chomp, chomp, chomp, chomp

Repeat Chorus

Chomp, chomp, chomp - - chomp, chomp, chomp
Chomp, chomp, chomp - - chomp, chomp, chomp
Chomp, chomp, chomp, chomp - - chomp, chomp, chomp, chomp
Chomp, chomp, chomp, chomp - - chomp, chomp, chomp, chomp
Chomp, chomp, chomp, chomp, chomp - - chomp, chomp, chomp, chomp, chomp
Chomp, chomp, chomp, chomp, chomp - - chomp, chomp, chomp, chomp, chomp

Repeat Chorus

Everybody do the alligator chomp

4 - Body Math

Move & dance to this cool rock song and place hands on the part of the body I sing. Count with me two hands, two eyes, one nose, ten fingers, etc. Shake, shake whole body on one part. Basic counting can be fun with parts of the body.

Chorus

I can do body math with my nose, I can do body math with my toes
Count one hand, two hands - clap to the beat
You can do body math with me

I've got knees - two knees, I've got shoulders - two shoulders
I've got a bellybutton - one bellybutton, I've got fingers - ten fingers
I've got a body - one body
And I can shake, shake, shake, shake it all around, shake it all around

Repeat Chorus

I've got knees - two knees, I've got toes - ten toes
I've got ears - two ears, I've got eyes - two eyes
I've got a mouth - one mouth, I've got a body - one body
And I can shake, shake, shake, shake it all around, shake it all around

5 - I'm A Circle

The basic elements of a circle are described here. Sing & move along, review these basics with children. Everyone can think of different things that are the shape of a circle.

Round and round and round again, I have no beginning - I have no end
Round and round and round I go, With no straight lines and one closed curve
From the center all points are the same, see if you can guess my name
I'm a circle, like the wheels on a car, turn, turn, turn - I go so far
I'm a circle, like the shape of a pizza, Mmmm good, how I love to eat ya
I'm a circle, I'm a circle
Repeat

6 - I'm A Square

Sing, move & count parts with the song. Children can draw in the air the shape of a square. You can start anywhere when drawing a square - we start at bottom left.

I'm a square, I'm a square - over here and over there
I have four equal sides - made of four straight lines
1 ... 2 ... 3 ... 4
I kinda look like a box - from my bottom to my top
I don't have any hair - now draw me in the air
Make a straight line up, another straight over, a straight line down
A straight line back to the start, and we're there
I'm a square, I'm a square, I'm a square

Repeat

7 - Shake Your Shape

On craft sticks or use paper - draw six main shapes (note - rhombus is correct name for diamond shape). Children can identify which shape they are holding and then they follow movements for their shape. Everyone moves the same way on the Chorus.

I'm a circle, I'm a rectangle, I'm a triangle, I'm a square, I'm a rhombus, I'm an oval
All together, shake your shape everywhere

Chorus

Shake, shake, shake your shape up high
Shake, shake, shake your shape down low
Shake, shake, shake your shape up high
Shake, shake, shake your shape
Everyone let's go!

Circles by your hips - shake, shake, shake
Rectangles by your nose - shake, shake, shake
Triangles by your knees - shake, shake, shake
Squares by your bellybutton - shake, shake, shake
Rhombus by your shoulders - shake, shake, shake
Ovals by your feet - shake, shake, shake

Repeat Chorus

Ovals by your hips - shake, shake, shake
Rhombus by your nose - shake, shake, shake
Squares by your knees - shake, shake, shake
Triangles by your bellybutton - shake, shake, shake
Rectangles by your shoulders - shake, shake, shake
Circles by your feet - shake, shake, shake

Repeat Chorus

8 - Show Me How You Move

Comparing is the topic in this fun creative dramatics song. Children "act out" comparing words (i.e. big - small). Move or shake hands, arms, hips (heart-both hands over heart & move) on Chorus. It's really fun as children learn about comparing. Use some hands-on material too!

Chorus

With my hands, with my arms, with my hips and my heart
With my eyes, with my knees I can show you how I feel

(Children act out action words)

Show me how you move when I say - big ... small ... hurry ... slowly
Mmmm, that's good, mmmmm - Ooh, that's yucky, oh that's yucky

Chorus

Heavy, light, straight, curvy, alone, together

Chorus

9 – Birthdays

Sing along and stand up when I sing the month of each child's birthday. You can mix the months all up & let the children really listen for their birthday as a follow-up activity.

Chorus

Birthdays, birthdays, they're such fun
Stand up when I say the month your birthday comes

(Children act out action words)

January, February, March, April, May, June

Repeat Chorus

July, August, September, October, November, December
Birthdays, birthdays, they're such fun
Everyone have fun when your birthday comes
Birthdays, birthdays, they're such fun
Everyone have fun when your birthday comes

10 - Head & Shoulders, Baby

*Basic counting, but, with adding-on from the previous 3 numbers.
Follow & move to action words.*

Head and shoulders, baby, 1 ... 2 ... 3, head and shoulders, baby, 1 ... 2 ... 3
Head and shoulders, head and shoulders, head and shoulders, baby, 1 ... 2 ... 3
Waist and knees, baby, 4 ... 5 ... 6, wand knees, baby, 4 ... 5 ... 6
Waist and knees, waist and knees, waist and knees, baby, 4 ... 5 ... 6
Do the shake, baby, 7 ... 8 ... 9, do the shake, baby, 7 ... 8 ... 9
Do the shake, do the shake, do the shake baby, 7 ... 8 ... 9
To the front, to the back, to the side, side, side

(Repeat 4 times)

To the back, to the front, way up high, high, high

(Repeat 4 times)

Head and shoulders, baby, 1 ... 2 ... 3
Waist and knees, baby, 4 ... 5 ... 6
Do the shake baby, 7 ... 8 ... 9

11 - Roll Over

Basic subtraction is fun with this fingerplay.

Start out with five fingers. Point to pinkie on "little one," roll both hands over and one by one they go away until only the pinkie is left - then go to sleep.

There were 5 in the bed
And the little one said "roll over, roll over"
So the 5 rolled over, and one fell out - "boing!"
There were 4 in the bed
And the little one said "roll over, roll over"
So the 4 rolled over, and one fell out - "boing!"
There were 3 in the bed
And the little one said "roll over, roll over"
So the 3 rolled over, and one fell out - "boing!"
There were 2 in the bed
And the little one said "roll over, roll over"
So the 2 rolled over, and one fell out - "boing!"
There was 1 in the bed
And the little one said "goodnight, goodnight"

12 - Today, Yesterday & Tomorrow

This can be a difficult thing to learn for young children. Sing along and children fill-in the blanks. Enhance learning with days-of-the-week visuals.

Chorus

Today, yesterday, and tomorrow, day by day we work and play

Today, yesterday and tomorrow

I'm going to make today a great day

Today's name is _____

Yesterday was _____

Tomorrow will be _____

I'm going to make today a great day

(Repeat)

Repeat *Chorus*

13 - Math All Around Me

Children can sing along with this catchy song. This can be a good springboard to discuss all different examples of math all around us every day.

Chorus

Math all around me
Up high - up high, down low - down low
Run fast - run fast, walk slow - walk slow
Clap, clap - clap, clap, shake, shake - shake, shake
Clap, clap - clap, clap, we use math every day!

I see signs on the street everywhere
Some are rectangle and some are square
My mom spends money when she goes to the store
I count the pennies, 1 ... 2 ... 3 ... 4
A clock has one big hand and one small, I hear it go tick tock on the wall
Everywhere I go, everywhere I see

Repeat Chorus

I have ten fingers and I have ten toes
I see with two eyes and smell with one nose
A mountain is high, a valley is low
A cheetah runs fast, a turtle walks slow
Red stripes, white stripes we see our flag, that's a pattern I learned in my class
Everywhere I go, everywhere I see
Math!
(On Cassette Side B begins here)

14 - Going On A Treasure Hunt

Just have fun with this adventure, but, help children be aware of the sequence of places & situations. Drawing pictures about this adventure would be fun - then put the drawings in the right order.

Girls and boys come join me on an awesome adventure
As we hunt in the jungle for pirates treasure
Put on your jungle boots - shoop, shoop
Put on your jungle hats - plop, plop, plop
Now, your cool jungle sunglasses - cool
Alright, mon - let's go!

Chorus

Goin' on a treasure hunt ... stompin' thru the jungle ...
Lookin' out for pirates ... and we're not afraid ...
(Children follow story - act out action words)
Look straight ahead ... it's a giant jungle
It's too far to walk ... get in the jungle jeep
And ride! Oh, it's bumpy! Very bumpy - ah, ah - oh -

Repeat Chorus

"Look down below" ... it's Creepy Creek

Repeat Chorus

"Look to the right" ... it's a field of lions sleeping ...

Repeat Chorus

"Look to the left" ... it's a tunnel ...
Something's jing-jangling ... under my feet ... It's the treasure ...
There's a tap on my back ...
Aye Matey, I see you found my treasure... do you know whose treasure it is-
Whew back to the jungle shack ...
We went on a treasure hunt ... And we weren't afraid!

15 - Animal Fingers

Children use their fingers acting as the different animals to solve these basic addition & subtraction problems.

Let's pretend that our fingers are different kinds of animals
Come on everybody, join in

Chorus

Five little, ten little animal fingers, Watch them hop, watch them wiggle
They can swim, they can slither, they can fly, they can run
Animal fingers, let's have fun

Bunnies

Two little bunnies hopping all around, two little bunnies hopping to the sound
Two more little bunnies come to hop and play
Now four little bunnies hopping on their way

Birdie

One little birdie flying all around, one little birdie flying to the sound
Two more little birdies come to fly and play,
Now three little birdies flying on their way

Repeat Chorus

Snakes

Four little snakes slithering all around, four little snakes slither to the sound
One little snake slithers on his way,
Now three little snakes still left to play

Dolphins

Three little dolphins swimming all around, three little dolphins swimming to the sound
Two more little dolphins come to swim and play,
Now five little dolphins swimming on their way

Repeat Chorus

Animal fingers, animals fingers, animal fingers
Let's have fun!

16 - More Body Math

Dance & move your body as we practice basic addition & subtraction.

Chorus

I can do body math with my nose
I can do body math with my toes, count one hand, two hands
Clap to the beat, you can do body math with me
One hand up, waving to the sound, one hand up, waving all around
The other hand up, now let's count

Now there are two hands waving all about, there are two hands waving all about
Five fingers up, wiggling to the sound, five fingers up, wiggling all around
Another five fingers up, now let's count
There are ten fingers wiggling all about, there are ten fingers wiggling all about

Repeat Chorus

Two legs in, twisting all around, two legs in, twisting to the sound
One leg out, now let's count
There is one leg twisting all about, there is one leg twisting all about
Five toes in, tapping all around, five toes in, tapping to the sound
Another five toes in, now let's count
There are ten toes, tapping all about, there are ten toes, tapping all about

Repeat Chorus

Body Math!

17 – Make A Pattern – 1

Patterning is a real key to beginning math. Everyone can move to action words as they make movement patterns.

Clap-clap, snap-snap fingers, slap-hands, slap-knees.

Everybody let's clap and snap, everybody let's clap and snap

You can do it now - clap and snap, all together now, clap and snap

Over and over again, then here's what happens as we repeat it

We make a pattern, we made a-b pattern

Everybody let's clap, snap, stomp, everybody let's clap, snap, stomp

You can do it now - clap, snap, stomp, all together now, clap, snap, stomp

Over and over again, then here's what happens as we repeat it

We make a pattern, we made an a-b-c pattern

Patterns are with colors, patterns are with shapes

Patterns are in nature, all around each day

Everybody let's slap, snap, clap, everybody let's slap, snap, clap

You can do it now - slap, snap, clap, all together now, slap, snap, clap

Over and over again, then here's what happens as we repeat it

We make a pattern, we made an a-b-c pattern

Everybody let's stomp, clap, clap, everybody let's stomp, clap, clap

You can do it now - stomp, clap, clap, all together now, stomp, clap, clap

Over and over again, then here's what happens as we repeat it

We make a pattern, we made an a-b-b pattern

It's fun to make a pattern

18 - Count by 2's

Children can dance & touch pairs of body parts I mention then count by two's together.

Two eyes, two knees, two hands, I can clap to the beat
Two shoulders, two hips, when we count by two's we go like this

2 ... 4 ... 6 ... 8 ... 10 ... 12 ... 14 ... 16 ... 18 ... 20

Again,

2 ... 4 ... 6 ... 8 ... 10 ... 12 ... 14 ... 16 ... 18 ... 20

Sing with me, here we go

(Repeat and go to 30 by 2's)

19 - Count by 5's

Children can have some paper & draw a 5 as they sing this song. This catchy melody should help them remember this skill.

Make a line straight over, then a straight line down
Then a nice big curve halfway around
It's a real cool number, come on let's try
Sing along with me and count by five's
5 ... 10 ... 15 ... 20 ... 25 ... 30 ... 35 ... 40 ... 45 ... 50 ...
55 ... 60 ... 65 ... 70 ... 75 ... 80 ... 85 ... 90 ... 95 ... 100

Repeat
Count by five's

20 - Countdown to Blastoff

Get ready to travel into space as everyone pretends to be an astronaut. They're practicing counting up & down as they're having fun!

Countdown to blastoff, countdown to blastoff
Mission control to astronauts
Space travel - check, astronauts ready - check
One, space helmet on, two, space boots on
Three, safety gloves on, four, space belts locked
Five, space ice cream, taste mmmm chocolate
Astronauts take one big step to the space craft elevator
Going up - level 1 ... 2 ... 3 ... 4 ... 5
We're going higher and higher, 6 ... 7 ... 8 ... 9 ... 10
We made it to the top, now sit down in your space craft chair
Lock-in and ready for countdown to blastoff
10 ... 9 ... 8 ... 7 ... 6 ... 5 ... 4 ... 3 ... 2 ... 1
Blastoff!

21 - Counting On

Children move & follow children on recording as they count on. An important readiness skill for addition & problem solving.

Counting on is fun to do, counting on as we move
I'll say a number then do your best
Count the three numbers that come next
Pat your knees with your hands, let's have fun
Pat your knees with your hands, counting on
(Repeat each number set) 6 - 7 ... 8 ... 9
4 - 5 ... 6 ... 7
2 - 3 ... 4 ... 5

Counting on is fun to do, counting on is as we move
I'll say a number then do your best
Count the two numbers that come next
Shake your hips back and forth, let's have fun
Shake your hips back and forth, counting on
(Repeat each number set) 2 - 3, 4
5 - 6, 7
1 - 2, 3

Counting on is fun to do, counting on is as we move
You did your best and now we're done
Numbers can be so much fun, so much fun

22 - 30 Days Has September

This is a new rock n' roll version of the familiar rhyme to help develop calendar skills.

30 days has September, April, June and November
All the rest have 31
And February's great with 28
And Leap Year's February's fine with 29

Repeat

23 – Make A Pattern – 2

Now children can try to make-up their own pattern.

Everybody let's clap, stomp, clap, everybody let's clap, stomp, clap
You can do it now - clap, stomp, clap, all together now, clap, stomp, clap

Over and over again

Then here's what happens as we repeat it

We make a pattern, we made an a-b-a pattern

Everybody let's slap, slap, clap, everybody let's slap, slap, clap

You can do it now - slap, slap, clap, all together now, slap, slap, clap

Over and over again

Then here's what happens as we repeat it

We make a pattern, we made an a-a-b pattern

Patterns are with colors, patterns are with shapes

Patterns are in nature, all around each day

Now you make your own pattern

It's fun to make a pattern

24 - Math In Motion

Be creative, think of how many different ways math is all around us each day. Different shapes, different movements. Act out action words.

Chorus

Math in motion - way up high
Math in motion - side to side
Math in motion - way down deep
Math in motion - groove with me
Spin, spin, spin go the wheels on my bike
Soar and fly goes my kite in the sky
Swim, swim, swim go the fish down deep
Wave, wave, wave goes the flag in the breeze
Chugga, chugga, chugga goes the railroad train
Fly, fly, fly goes the fast jet plane

Repeat Chorus

Tick, tock, tock goes the grandfather's clock
Turn, turn, turn goes the little red top
Jiggle, jiggle, jiggle goes the bowl of Jell-O
Rising in the sky goes the sun - round and yellow
March, one - two goes the leader of the band
Wiggle, wiggle, wiggle goes the fingers on my hands
Hop, hop, hop goes the bunny so quick
Crawl so slow goes the inchworm on the stick

Repeat Chorus