

**HEIDISONGS™**

**Sing-Along Songs that Teach!**

**Musical Math**

**Volume 2**

**Lyrics & Handmotions**

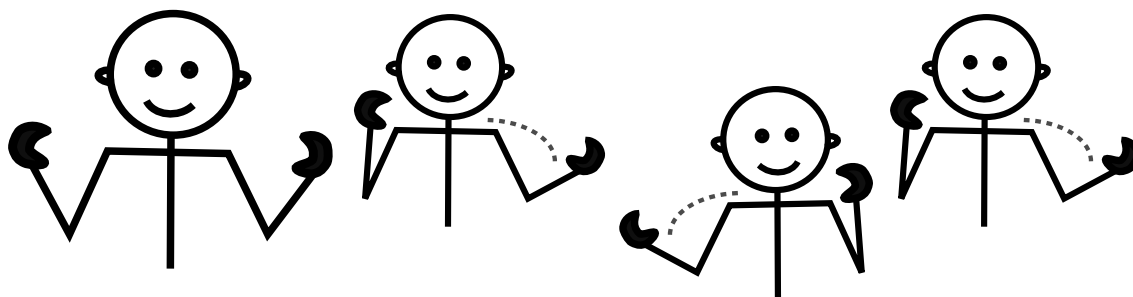
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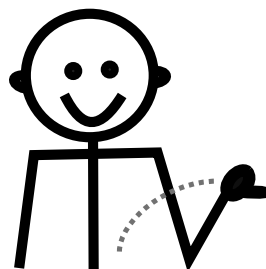
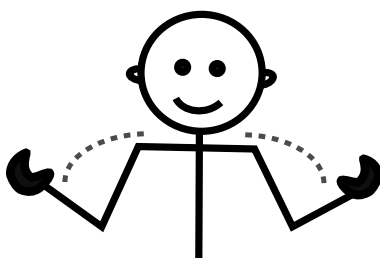
# Greater Than, Fewer Than

Put your hands out as if you are explaining how big something is.



Greater than, that means more!

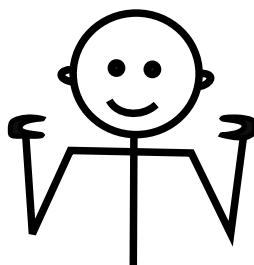
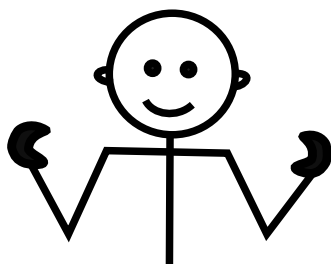
With your hands in the same position, pump them out to the beat.



Do a sweeping motion in front of you and around to the side pointing your thumb away.

Bigger number than before! (repeat)

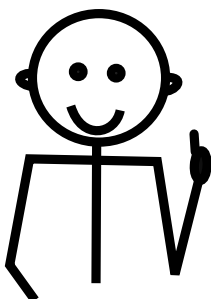
Put your hands out as if you are explaining how big something is.



Use your fingers to motion something is little.

Fewer than, that means less!

Hold up one finger with your hand and wag it in front of you.

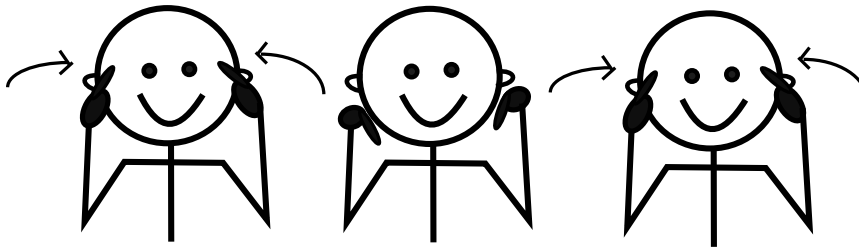


Not as many as the rest! (repeat)

# Subitize

(Chorus)

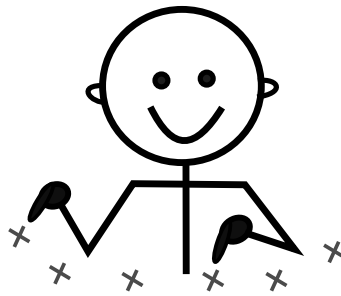
Point to your head then point to what you are looking at.



Tap your head with your finger to the beat.

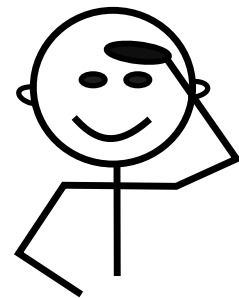
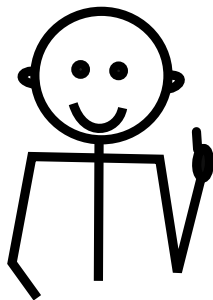
Subitizing's when I take a smart guess,

Point to each of the "things" in front of you like you are counting.



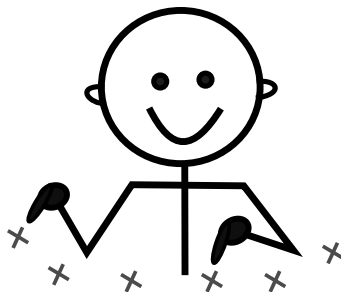
Of how many things are in a set.

Hold up one finger with your hand and shake it in front of you.



I don't have to count cause I can see,

Point to each of the "things" in front of you like you are counting.

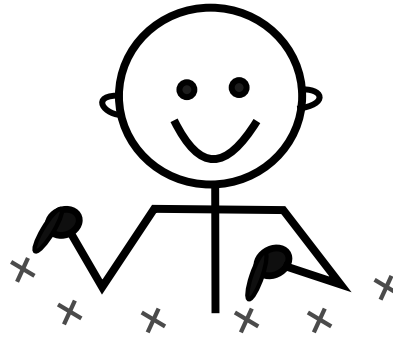
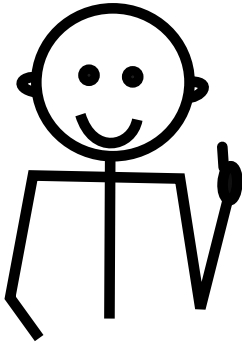


Just how many things are gonna be!

# Subitize

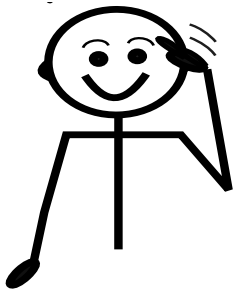
(Verse)

Hold up one  
finger.

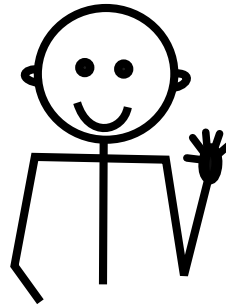


One side of a ten frame filled with dots,

Point to  
your head.

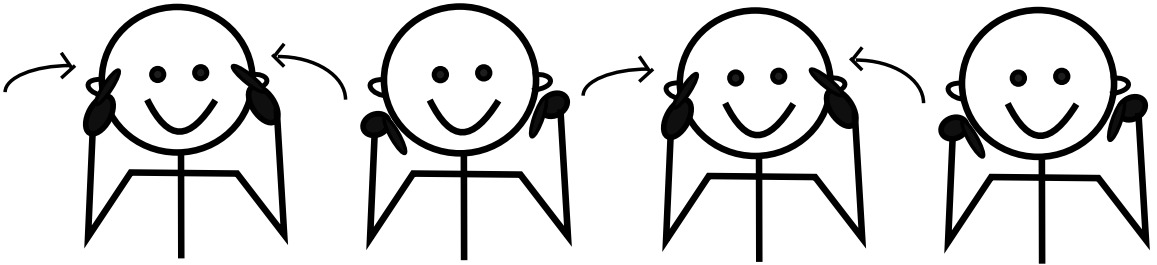


Hold up five  
fingers.



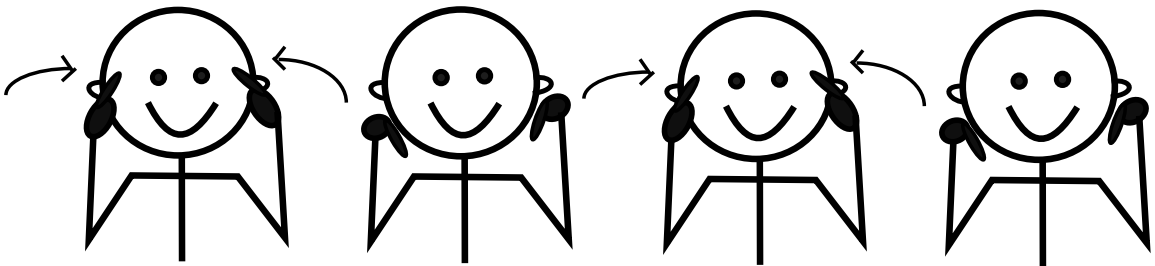
I know that's five right on the spot!

Point to  
your head  
then point  
to what  
you are  
looking at.



I subitize, subitize!

Point to  
your head  
then point  
to what  
you are  
looking at.

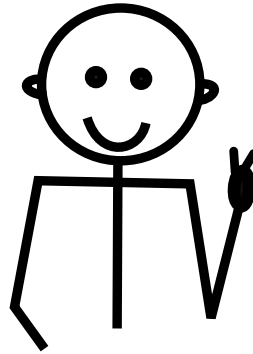


I subitize, subitize!

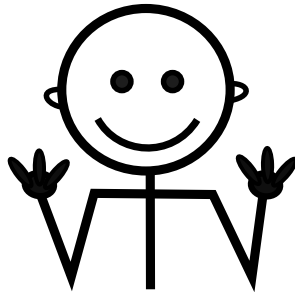
# Subitize

(Verse)

Hold up two  
fingers.



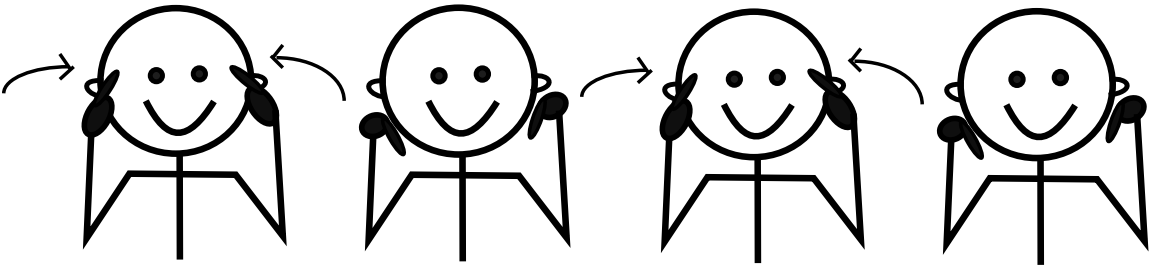
The dice show dots in two long lines,



Hold up three  
fingers on each  
hand.

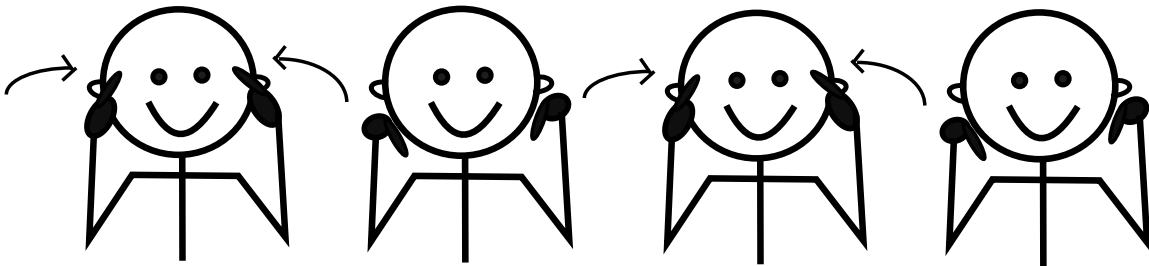
That's six on each with that design!

Point to  
your head  
then point  
to what  
you are  
looking at.



I subitize, subitize!

Point to  
your head  
then point  
to what  
you are  
looking at.

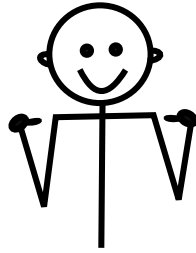


I subitize, subitize!

# Rekenrek Song

(Chorus)

Point to yourself.

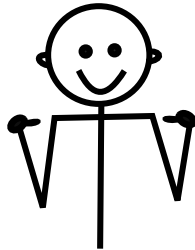


Pat your knees.



I've got a Rekenrek: math rack!

Point to yourself.

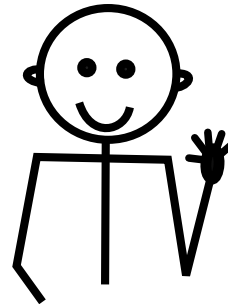
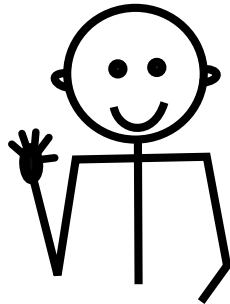


Pat your knees.



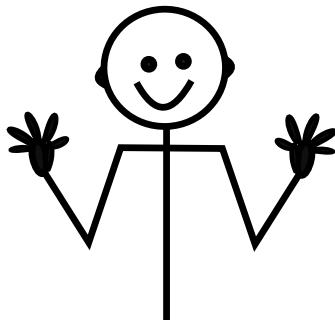
I've got a Rekenrek: math rack!

Hold up five fingers with one hand, then hold up five fingers with the other.

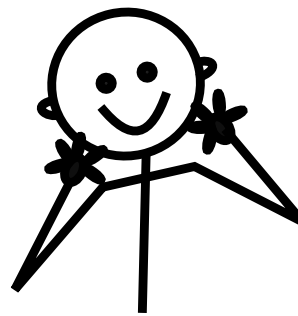


Five on the left, five on the right!

Hold up ten fingers.



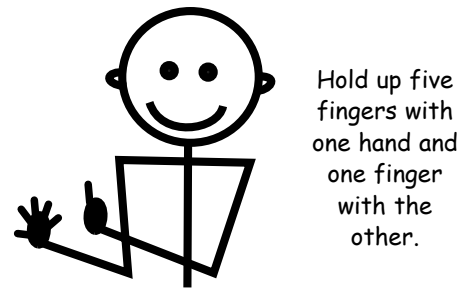
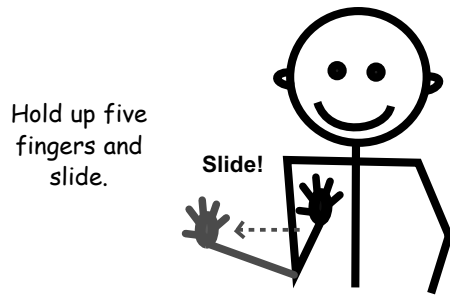
Frame your face with your hands and lean forward.



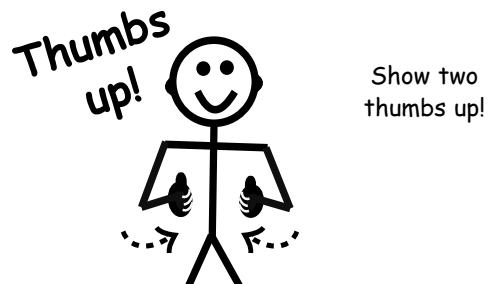
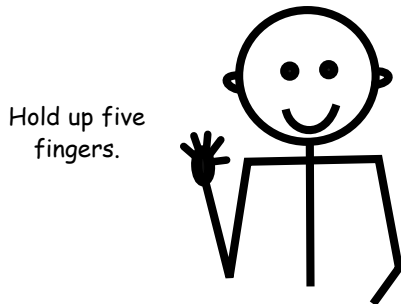
That makes ten, it's a math delight!

# Rekenrek Song

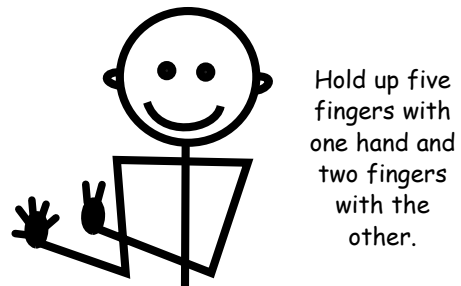
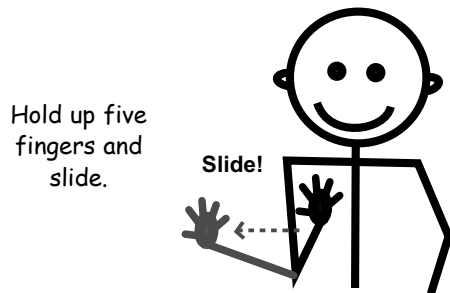
(Verse)



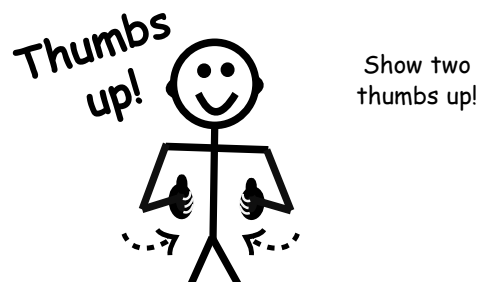
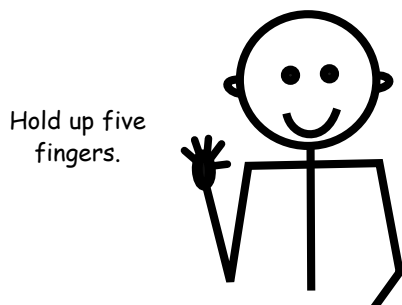
Slide five beads down and one makes six.



Count from five, that's a Rekenrek trick!



Slide five beads down and two make seven.

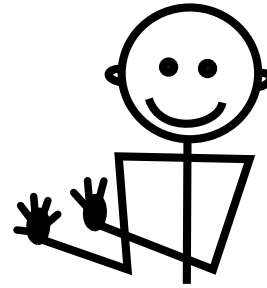
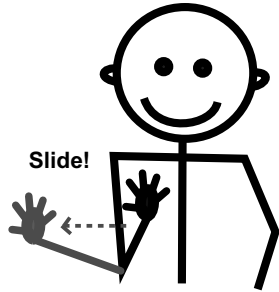


Count from five, I'm in Rekenrek heaven!

# Rekenrek Song

(Verse)

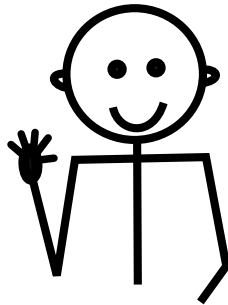
Hold up five  
fingers and  
slide.



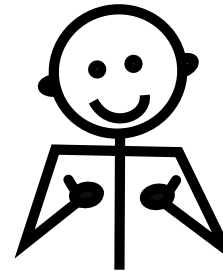
Hold up five  
fingers with  
one hand and  
three fingers  
with the  
other.

Slide five beads down and three make eight!

Hold up five  
fingers.

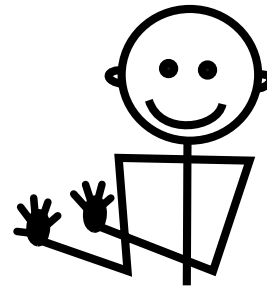
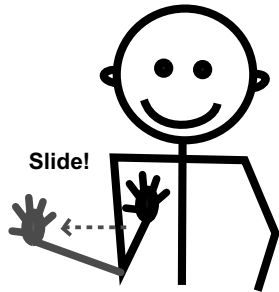


Thumbs up!



Count from five, and the Rekenrek's great!

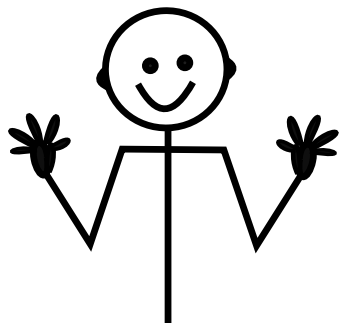
Hold up five  
fingers and  
slide.



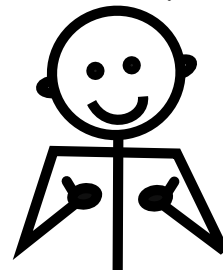
Hold up five  
fingers with  
one hand and  
four fingers  
with the  
other.

Slide five beads down and four make nine!

Hold up ten  
fingers.



Thumbs up!



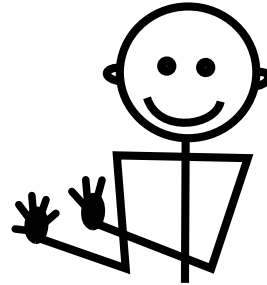
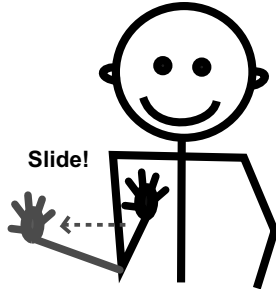
That's almost ten, and the Rekenrek's fine!



# Rekenrek Song

(Verse)

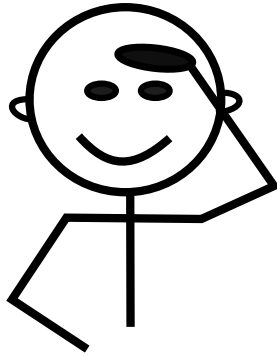
Hold up five  
fingers and  
slide.



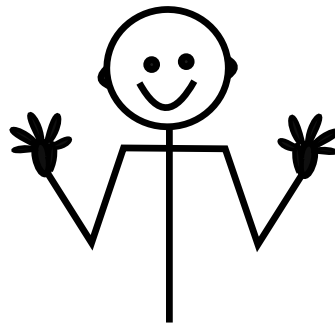
Hold up five  
fingers with  
one hand and  
five fingers  
with the  
other.

Slide five beads down and five more then,

Put your hand  
over your eyes  
on the word,  
"see."



Hold up ten  
fingers.



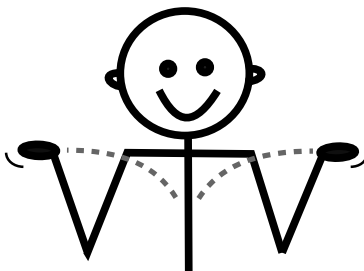
I can see that makes ten!

(Repeat chorus from the beginning.)

# Mission Ways to Make Four

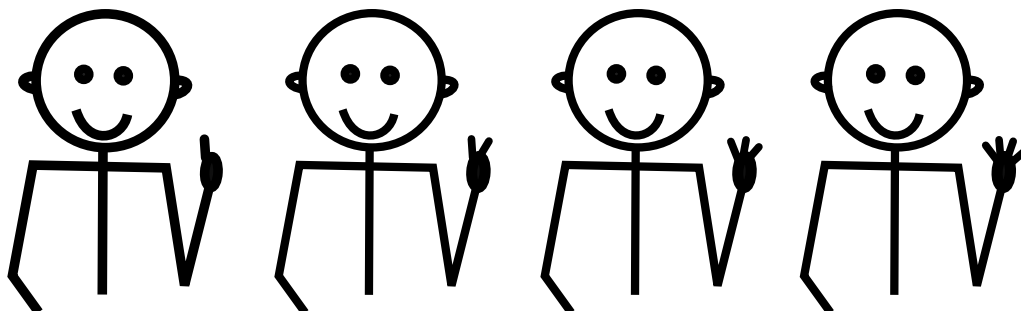
(Chorus)

Put your hands out as if you are questioning something.



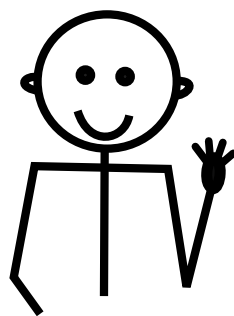
How many ways can we make four?

Count with your fingers!



One! Two! Three! Four!

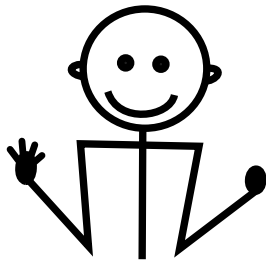
Hold up four fingers.



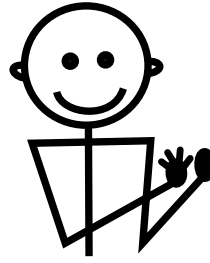
Add it up to four!

# Mission Ways to Make Four

Hold up four fingers  
on one hand and  
zero on the other.

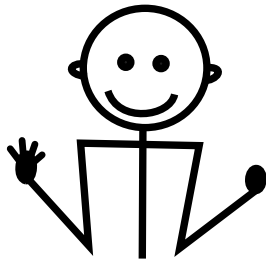


Move your hands  
together to add the  
numbers.

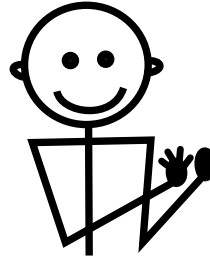


Four plus zero equals four!

Hold up four fingers  
on one hand and  
zero on the other.

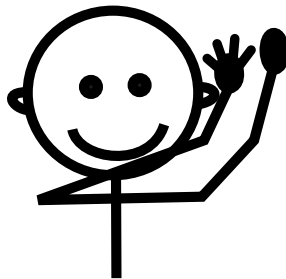


Move your hands  
together to add the  
numbers.



Four plus zero equals four!

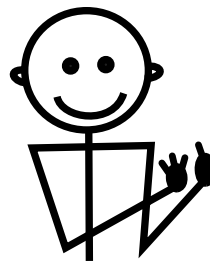
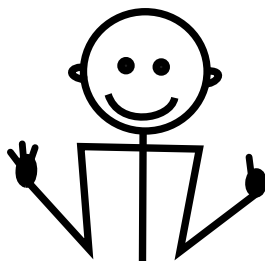
Hold up your hands  
above your head.



Add it up to four!

# Mission Ways to Make Four

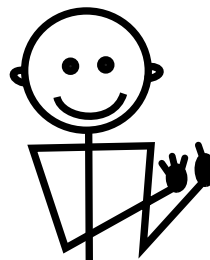
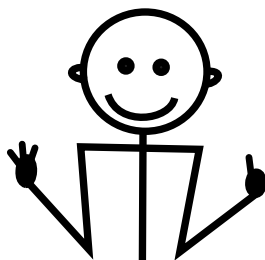
Hold up three fingers  
on one hand and one  
on the other.



Move your hands  
together to add the  
numbers.

Three plus one equals four!

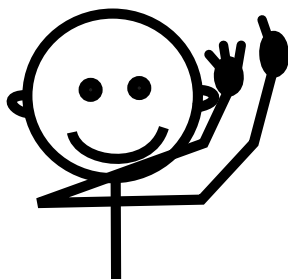
Hold up three fingers  
on one hand and one  
on the other.



Move your hands  
together to add the  
numbers.

Three plus one equals four!

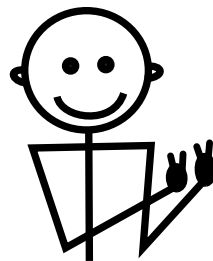
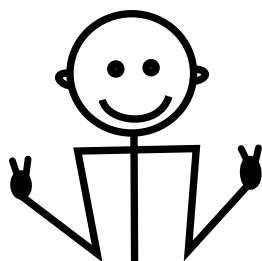
Hold up your hands  
above your head.



Add it up to four!

# Mission Ways to Make Four

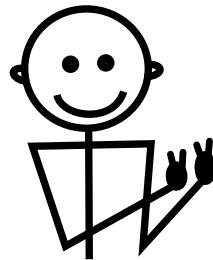
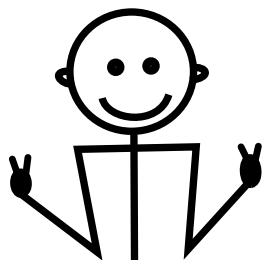
Hold up two fingers  
on one hand and two  
on the other.



Move your hands  
together to add the  
numbers.

Two plus two equals four!

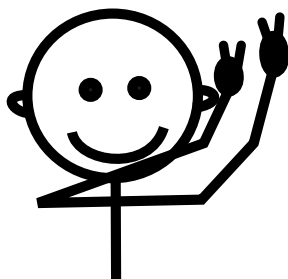
Hold up two fingers  
on one hand and two  
on the other.



Move your hands  
together to add the  
numbers.

Two plus two equals four!

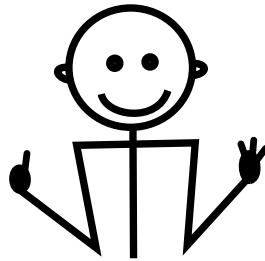
Hold up your hands  
above your head.



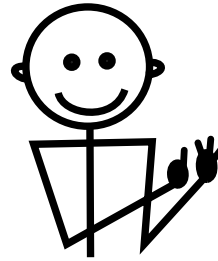
Add it up to four!

# Mission Ways to Make Four

Hold up one finger on  
one hand and three  
on the other.

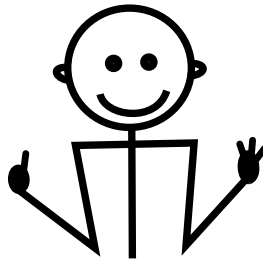


Move your hands  
together to add the  
numbers.

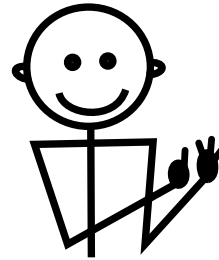


One plus three equals four!

Hold up one finger on  
one hand and three  
on the other.

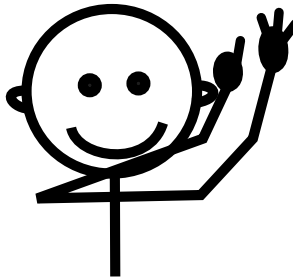


Move your hands  
together to add the  
numbers.



One plus three equals four!

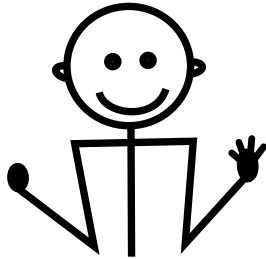
Hold up your hands  
above your head.



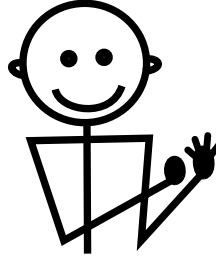
Add it up to four!

# Mission Ways to Make Four

Hold up zero fingers  
on one hand and  
four on the other.

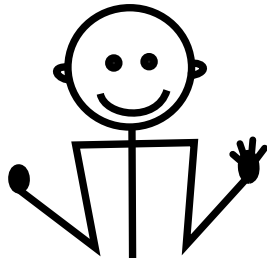


Move your hands  
together to add the  
numbers.

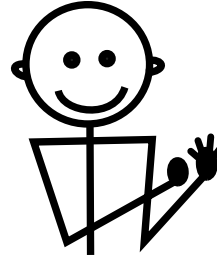


Zero plus four equals four!

Hold up zero fingers  
on one hand and  
four on the other.

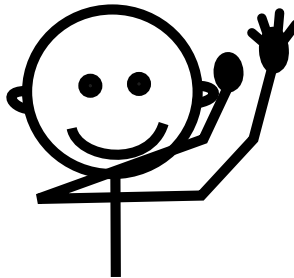


Move your hands  
together to add the  
numbers.



Zero plus four equals four!

Hold up your hands  
above your head.

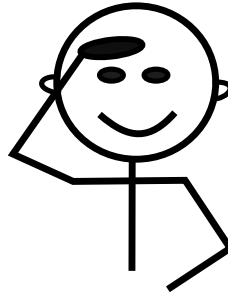
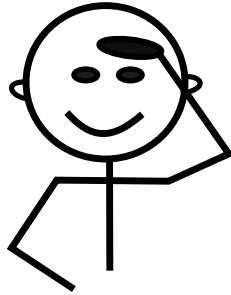


Add it up to four!

# What's a Sum?

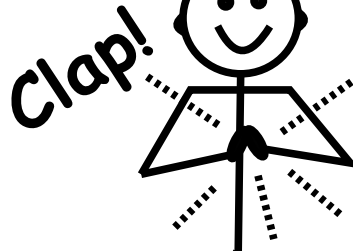
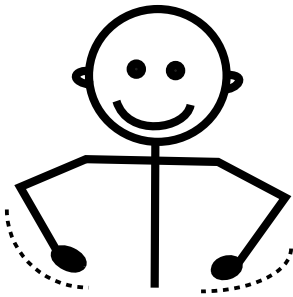
(Chorus)

Look around for the sum!

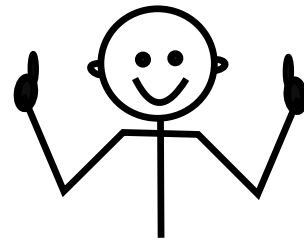


To find the sum, sum, help you find the sum,

Gather up all the numbers.

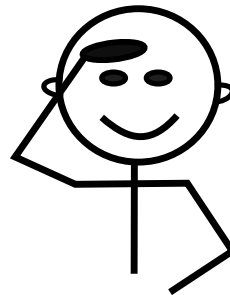
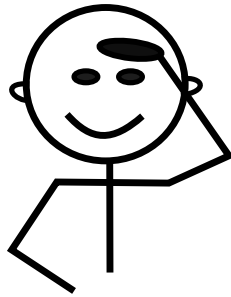


Point Up!



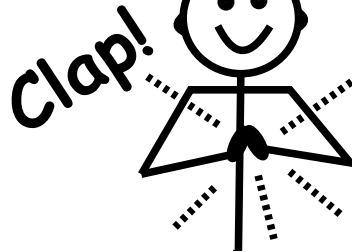
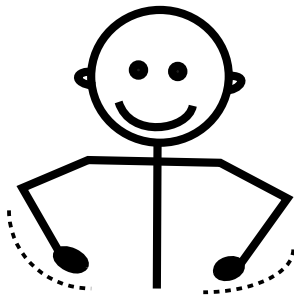
Add those numbers up!

Look around for the sum!

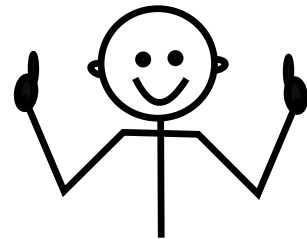


To find the sum, sum, help you find the sum,

Gather up all the numbers.



Point Up!

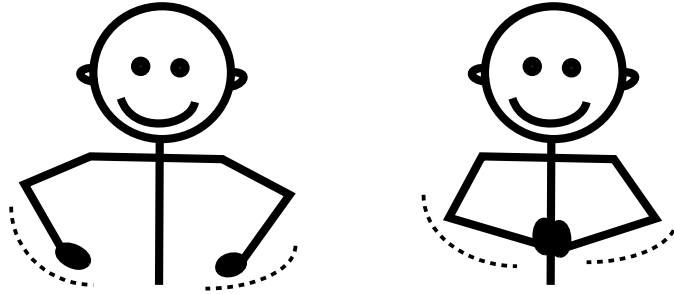


Add those numbers up!



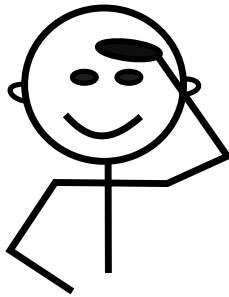
# What's a Sum?

Gather up all the numbers.

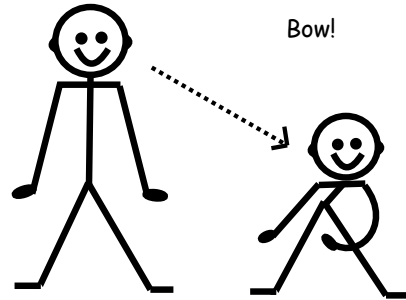


Add those numbers all together now,

Look around.

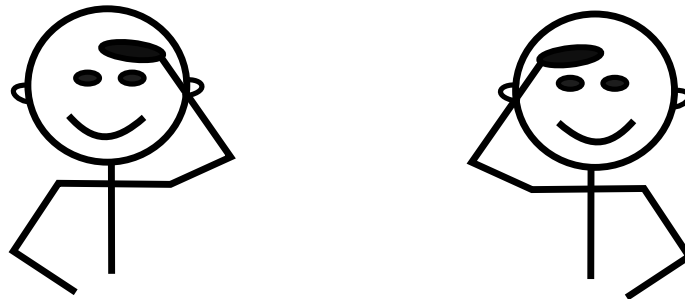


Bow!



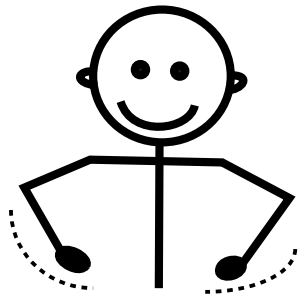
To find the sum and you can take a bow,

Look around for the sum!

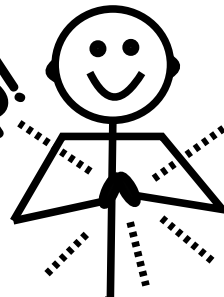


To find the sum, sum, help you find the sum,

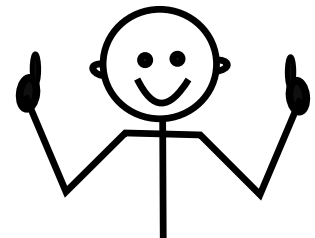
Gather up all the numbers.



Clap!



Point Up!

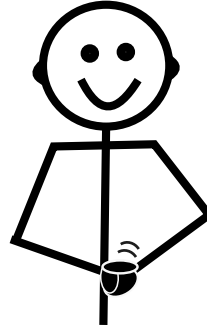


Add those numbers up!

# Counting On with Addition

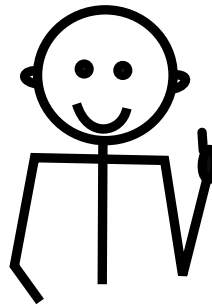
(Chorus)

Point to your  
watch!



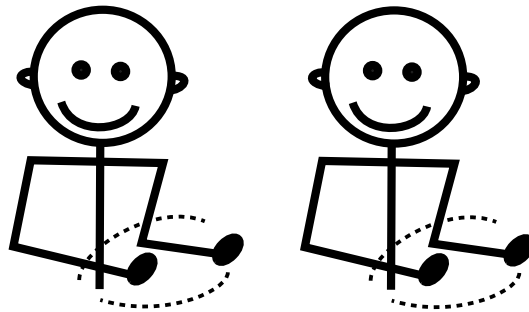
When you need to add,

Wag one finger  
in front of you.

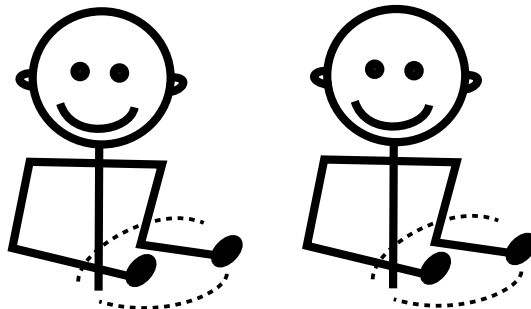


No need to start with one,

With your elbows  
at your sides,  
make fists and  
make a circular  
motion to the side  
with your arms  
parallel.



Count on from the greater number,

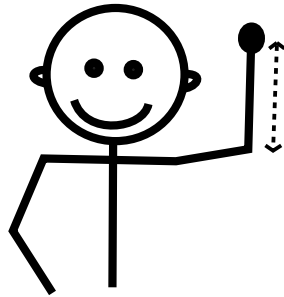


And you're quickly done!

# Counting On with Addition

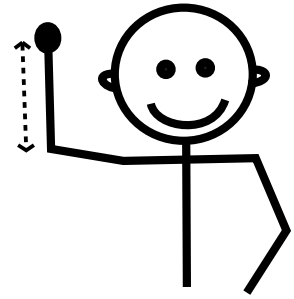
(Verse 1)

Pretend to pull on  
a train whistle!



Count on!

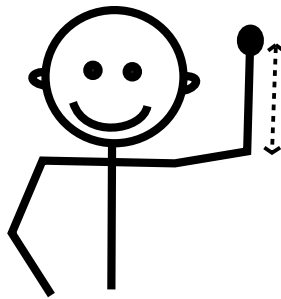
(Caller:) Four  
plus three!



Count on!

Pretend to pull on  
a train whistle!

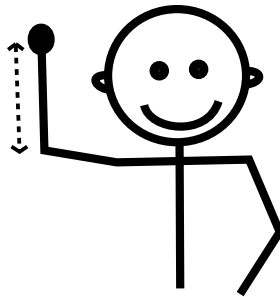
(Caller:)  
Start  
with four!



Count on!

Pretend to pull on  
a train whistle!

(Caller:)  
Add three  
more!



Count on!

(Caller:)  
Start  
with four!



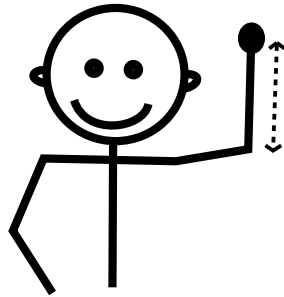
Five! Six! Seven!

(Repeat Chorus)

# Counting On with Addition

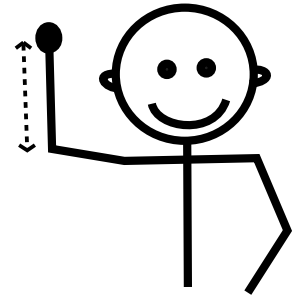
(Verse 2)

Pretend to pull on  
a train whistle!



Count on!

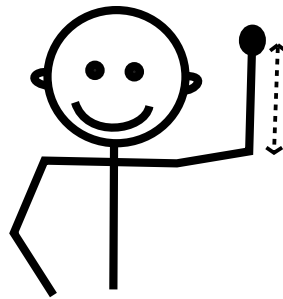
(Caller:) Four  
plus five!



Count on!

Pretend to pull on  
a train whistle!

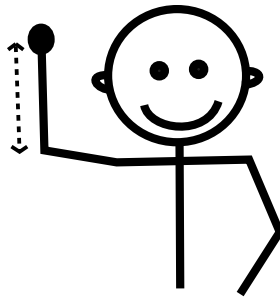
(Caller:)  
Start  
with five!



Count on!

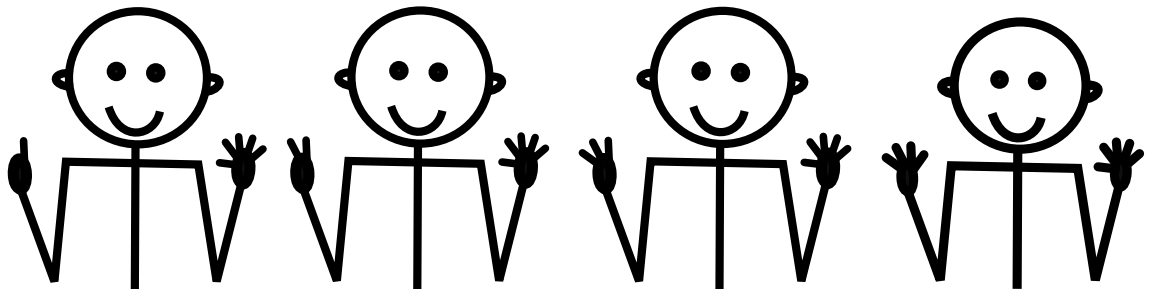
Pretend to pull on  
a train whistle!

(Caller:)  
Add four  
more!



Count on!

(Caller:)  
Start  
with five!



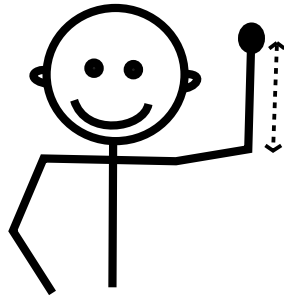
Six! Seven! Eight! Nine!

(Repeat Chorus)

# Counting On with Addition

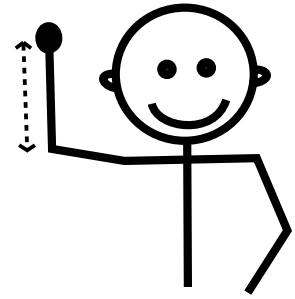
(Verse 3)

Pretend to pull on  
a train whistle!



Count on!

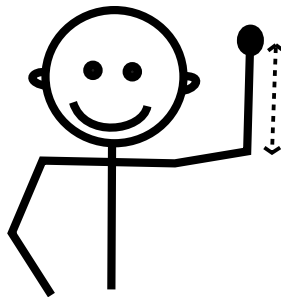
(Caller:) Three  
plus nine!



Count on!

Pretend to pull on  
a train whistle!

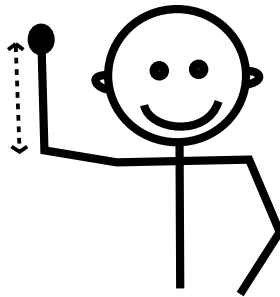
(Caller:)  
Start  
with nine!



Count on!

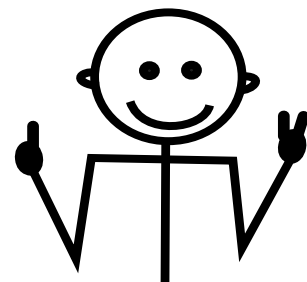
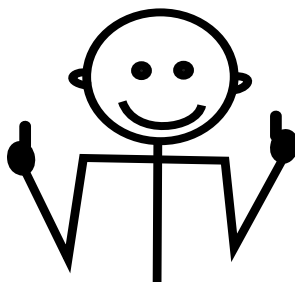
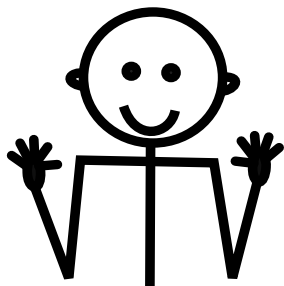
Pretend to pull on  
a train whistle!

(Caller:)  
Add three  
more!



Count on!

(Caller:)  
Start  
with nine!



Ten! Eleven! Twelve!

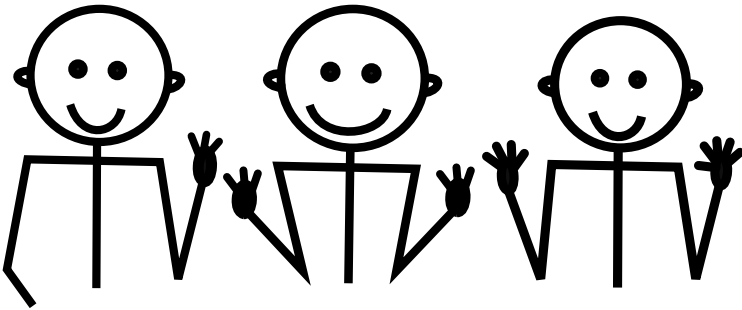
(Repeat Chorus)

# Counting by Threes

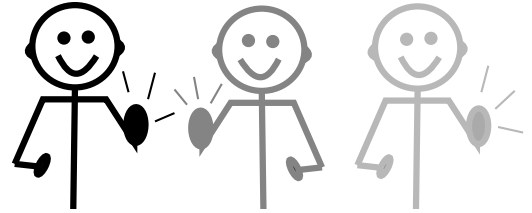
Show three, then six, then nine fingers.

(Chorus)

Push your hands forward back and forth.



Push right-left-right!

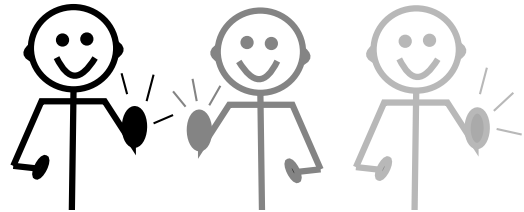
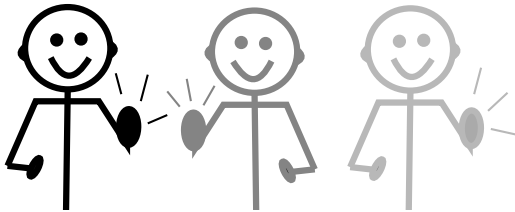


Three, six, nine, twelve, fifteen, eighteen,

Push right-left-right!

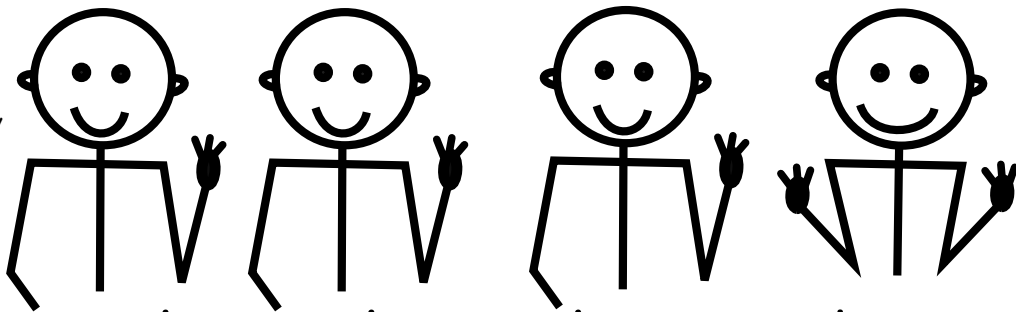
Push right-left-right!

Push your hands forward back and forth.



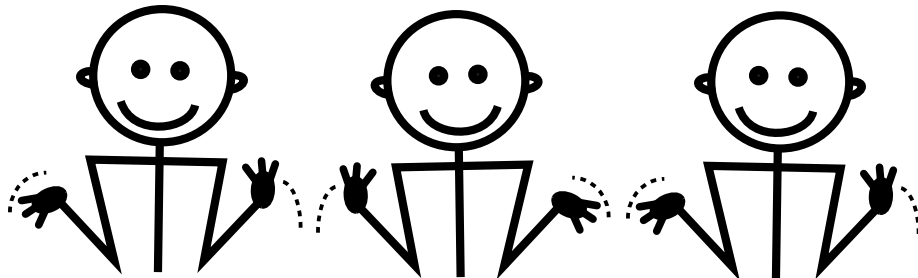
Twenty-one, twenty-four, twenty-seven, thirty,

Show thirty three, then thirty six on your fingers as shown.



Thirty-three, thirty-six!

Flip your fingers up and down in time to the music while showing three fingers.

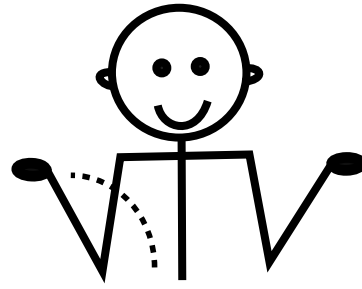
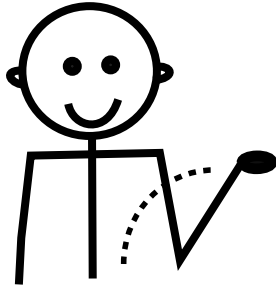


Count by threes!

# Putting Numbers in Order

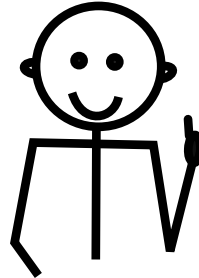
(Chorus)

Put your arms out  
in a question pose  
one at a time.



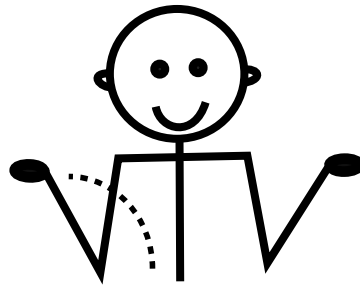
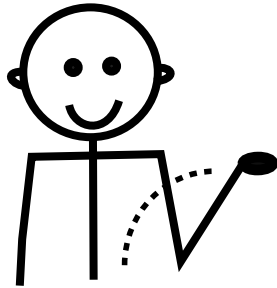
How do I put the numbers in order?

Point to your head.



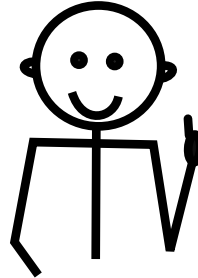
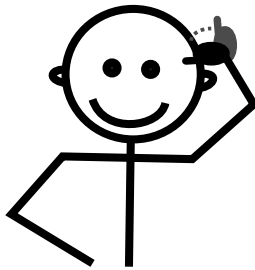
What should I do first?

Put your arms out  
in a question pose  
one at a time.



How do I put the numbers in order?

Point to your head.

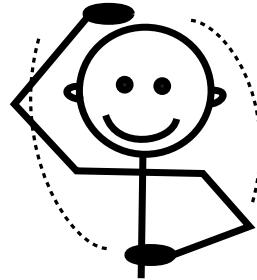
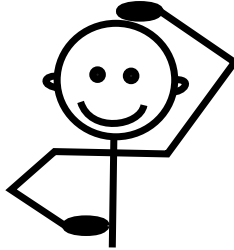
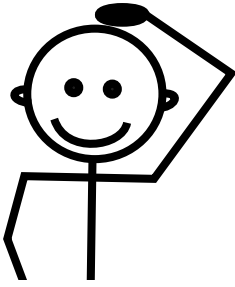


What should I do first?

# Putting Numbers in Order

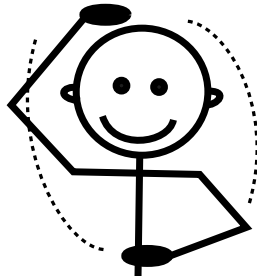
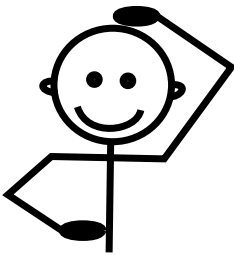
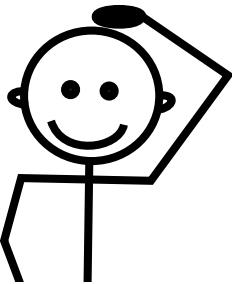
(Verse)

Show how  
you are  
turning the  
paper upside  
down.



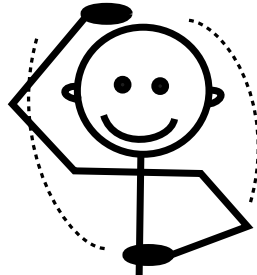
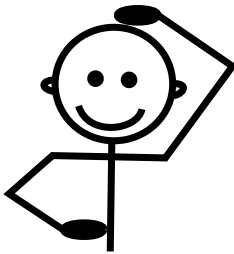
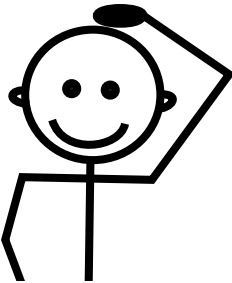
Turn the numbers right side up!

Show how  
you are  
turning the  
paper upside  
down.



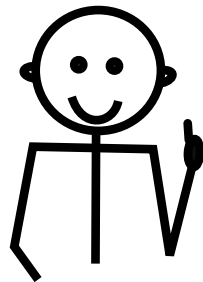
Turn the numbers right side up!

Show how  
you are  
turning the  
paper upside  
down.



Turn the numbers right side up!

Wag your finger in  
front of you.



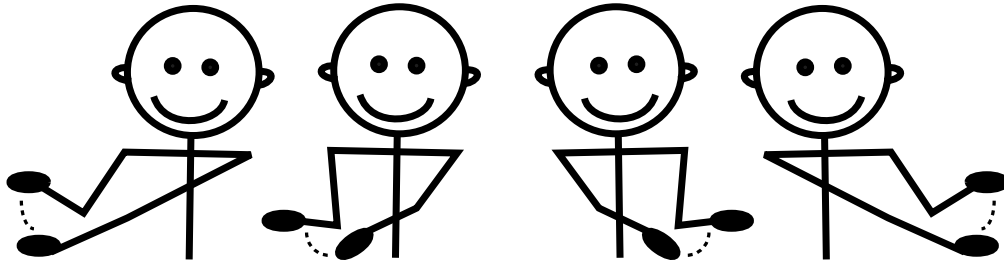
Watch out for the twelve!



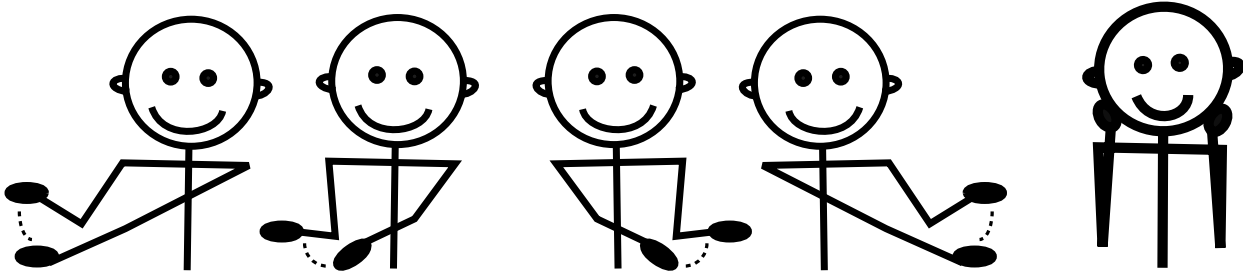
# Putting Numbers in Order

(Verse)

Make a sorting motion.

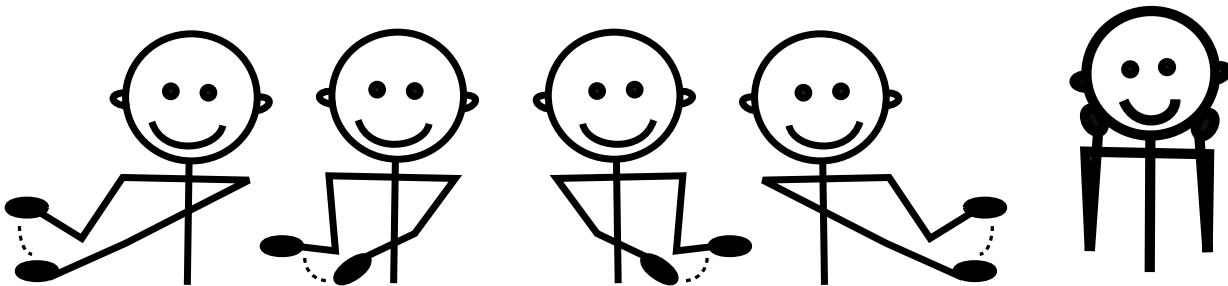


Sort the numbers into groups,



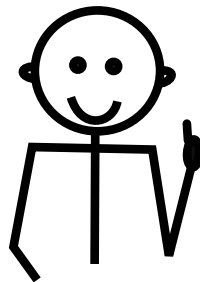
Touch your cheeks.

Ones and teens and twenties, whoops!



Ones and teens and twenties, whoops!

Wag your finger in front of you.

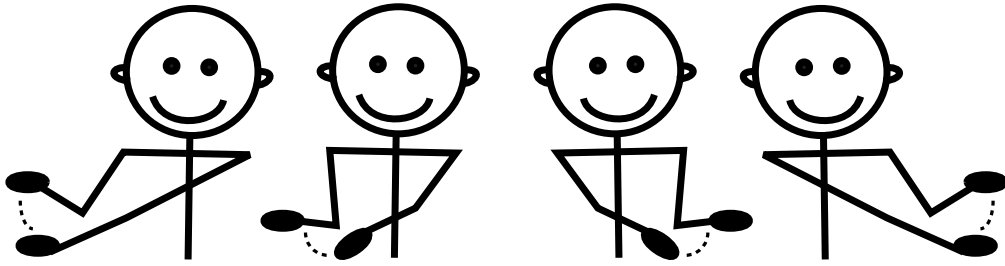


Watch out for the twelve!

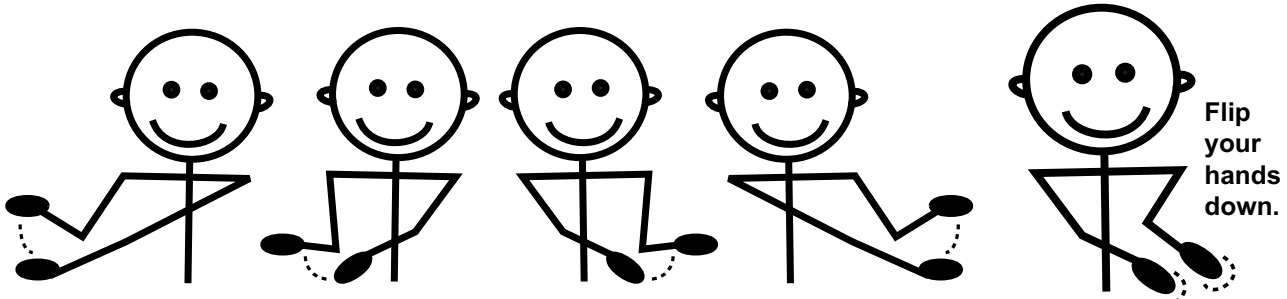
# Putting Numbers in Order

(Verse)

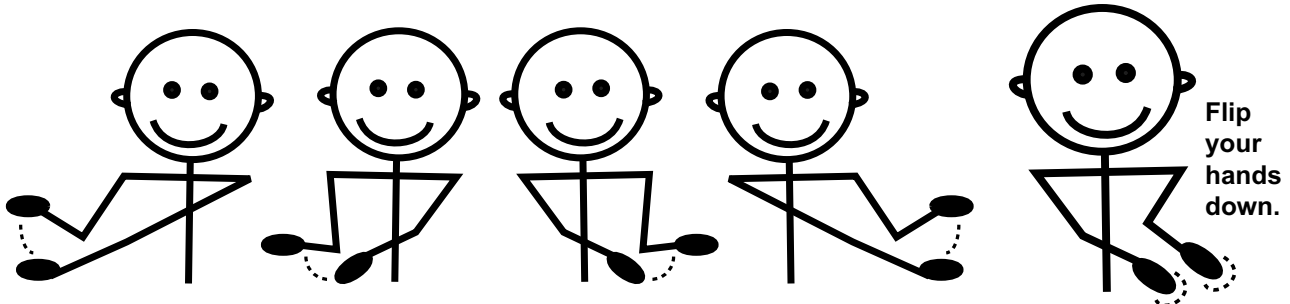
Pretend to lay  
the cards down  
in order.



Put the cards in order now,

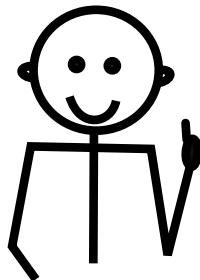


Ones, then teens, then twenties down,



Ones, then teens, then twenties down,

Wag your finger in  
front of you.

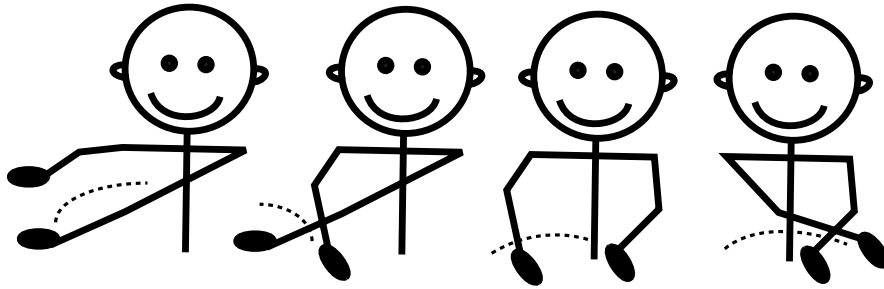


Watch out for the twelve!

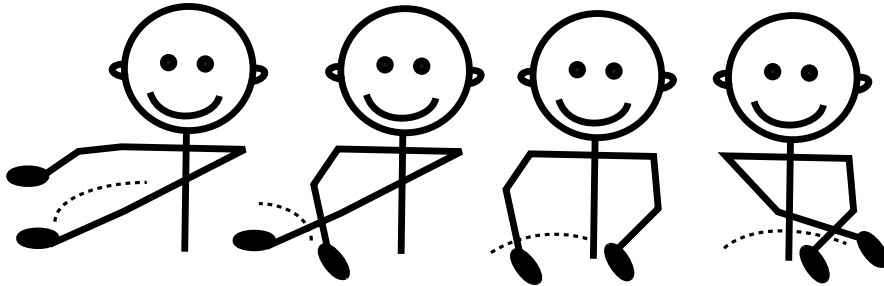
# Putting Numbers in Order

(Verse)

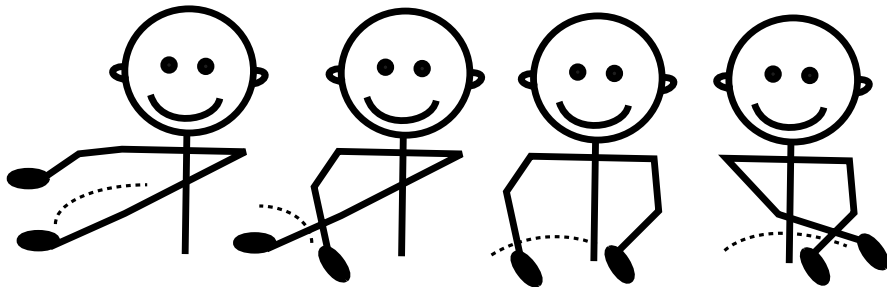
Cross your hands over each other with your palms down.



Start with zero, touch and count!

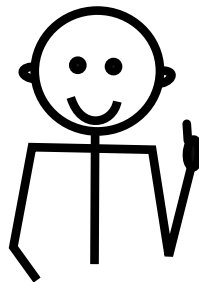


Start with zero, touch and count!



Start with zero, touch and count!

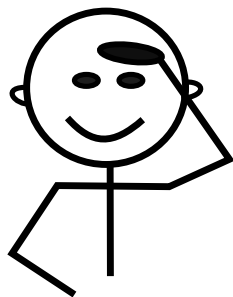
Wag your finger in front of you.



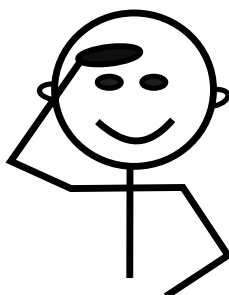
Watch out for the twelve!

# Putting Numbers in Order

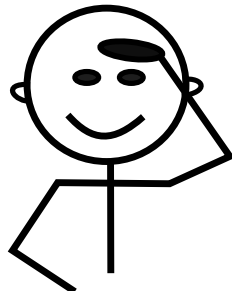
(Verse)



Double check it just for fun!

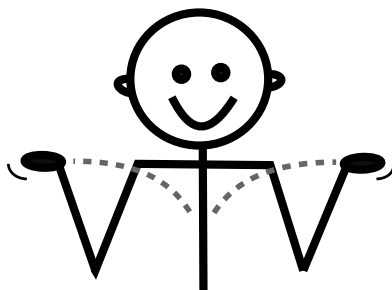
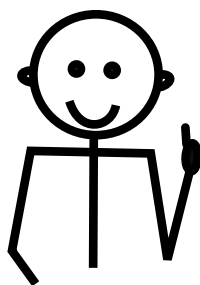


Where's the 12 and 21?



Where's the 12 and 21?

Wag your finger in front of you.

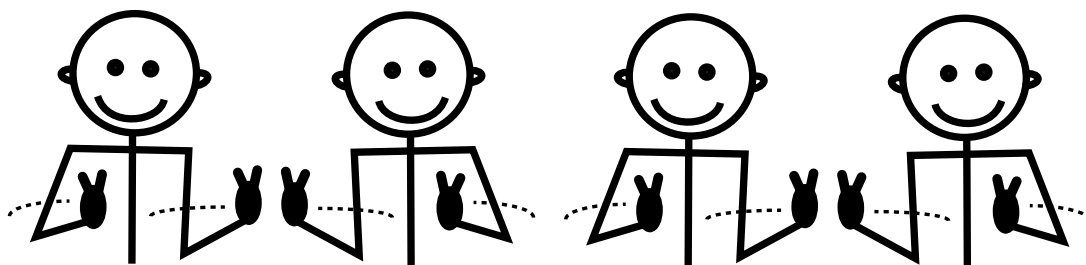


Check it and you're done!

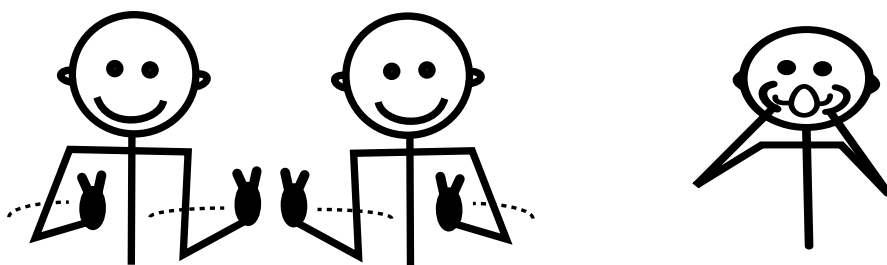
# Odds and Evens

(Chorus)

Show two  
fingers on  
each hand.



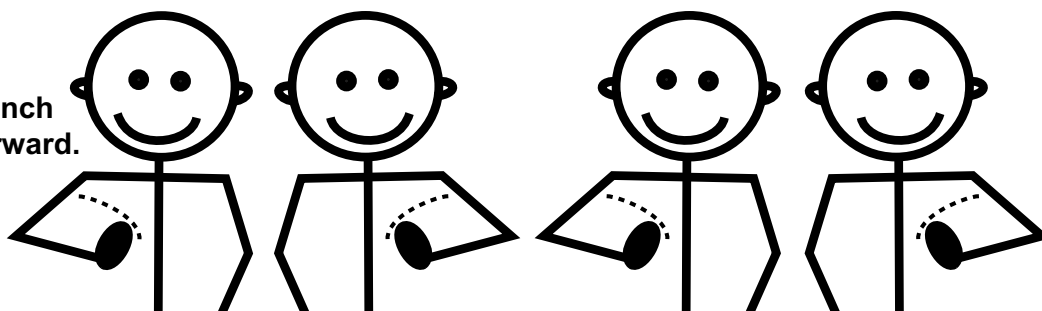
Even numbers, even numbers,



Put your hands  
around your  
mouth because  
you are shouting!

Even numbers, shout them out!

Punch  
forward.

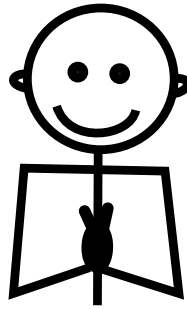


Two, four, six, eight, ten!

# Odds and Evens

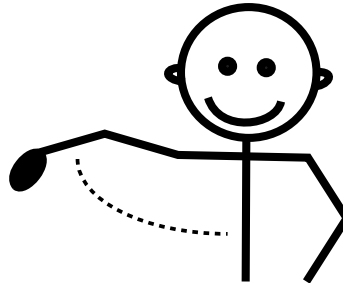
(Chorus)

With two fingers up,  
line up both your hands  
in front of you and  
sway side to side.



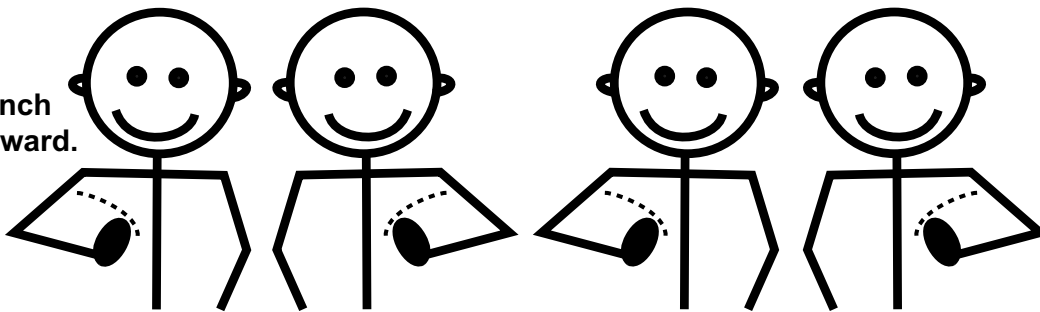
Line them up by twos and then,

Put your arm around  
your friend next to  
you.



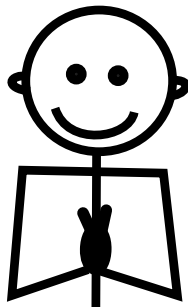
All the evens have a friend!

Punch  
forward.

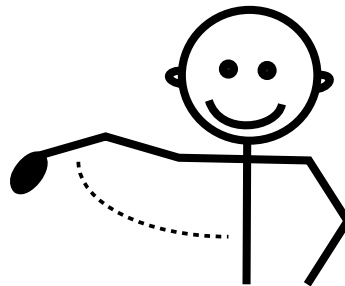


Two, four, six, eight, ten!

With two fingers up,  
line up both your hands  
in front of you and  
sway side to side.



Put your arm around  
your friend next to  
you.

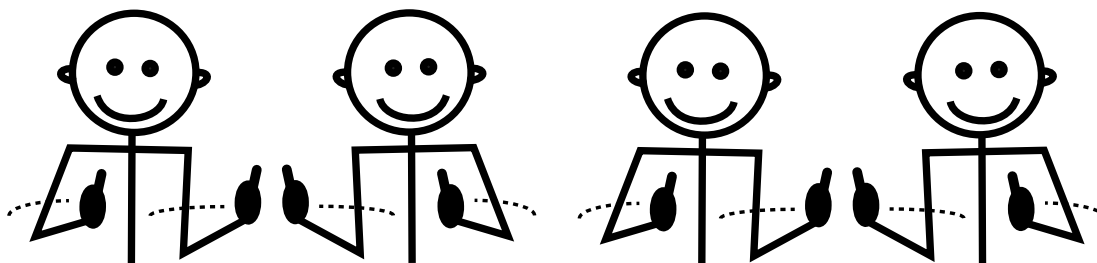


Even numbers have a friend!

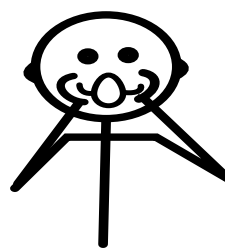
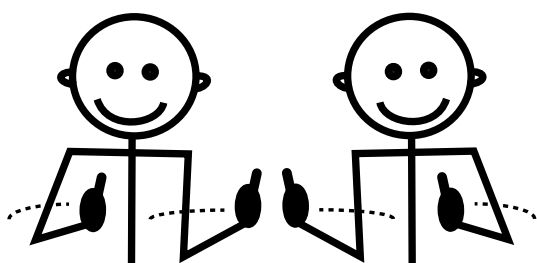
# Odds and Evens

(Chorus)

Show one  
finger on  
each  
hand.



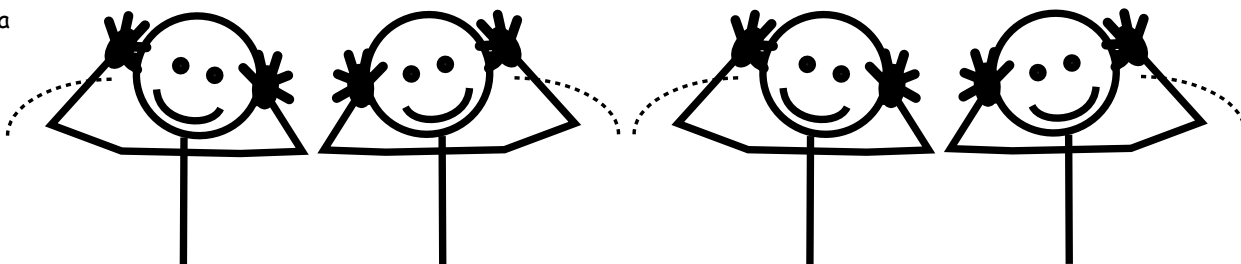
Odd numbers, odd numbers,



Put your hands  
around your  
mouth because  
you are shouting!

odd numbers, shout them out!

Make a  
silly  
"odd"  
face!

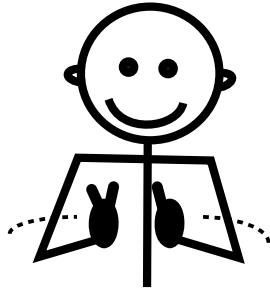


One, three, five, seven, nine!

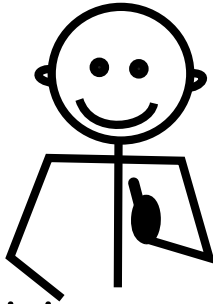
# Odds and Evens

(Chorus)

Show one finger on one hand and two on the other.



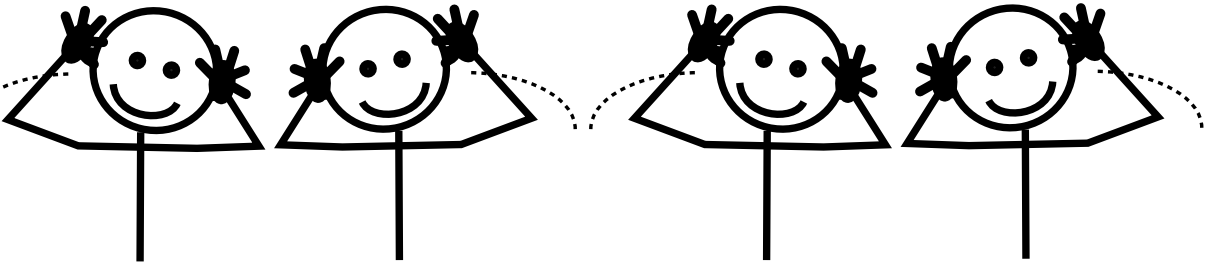
When you try to group by twos,



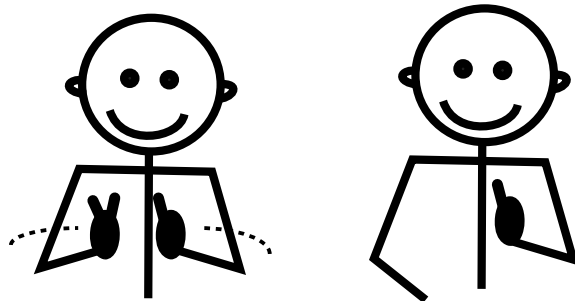
Wag your finger in front of you.

There's an odd one you can't use.

Make a silly "odd" face!



One, three, five, seven, nine!

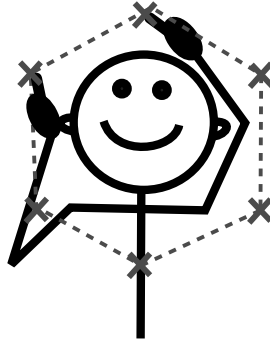


Wag your finger in front of you.

Odd man out, no friend in line!

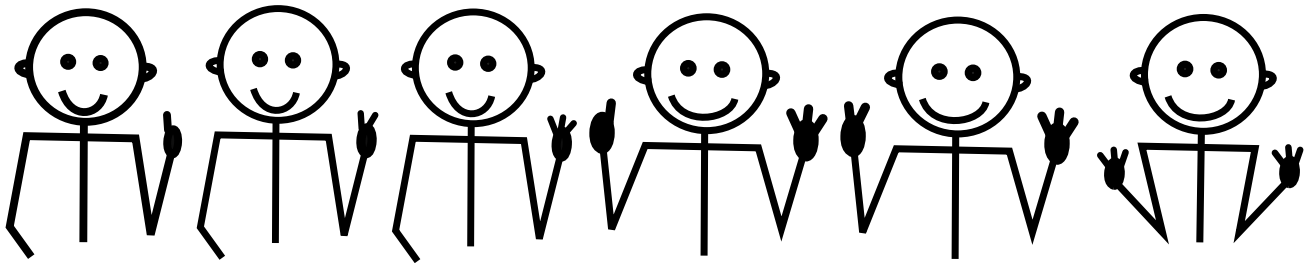


# Hexagon

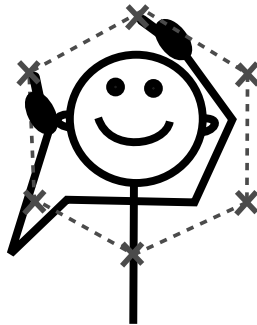


Count around you to  
make a hexagon.

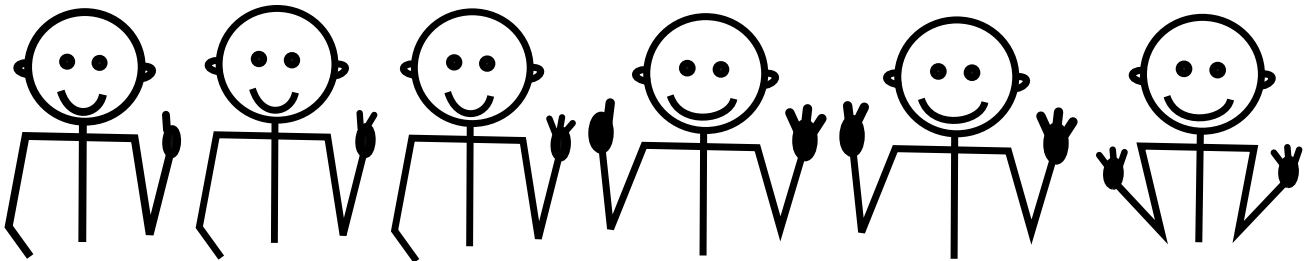
Count those sides on the hexagon block!



One, two, three, four, five, six!



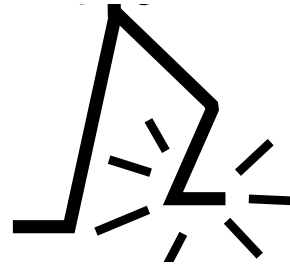
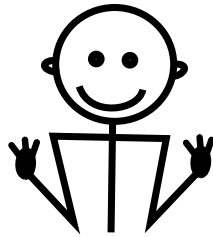
Count those sides, do the dinosaur walk!



One, two, three, four, five, six!

# Hexagon

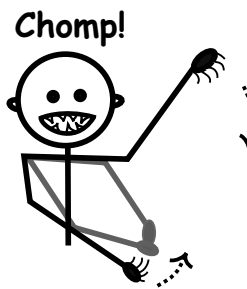
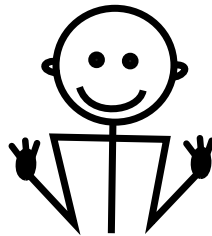
Hold up three fingers on each hand and pump them forward to the beat.



Stomp three times!

Six sided hexagon! Stomp, stomp, stomp!

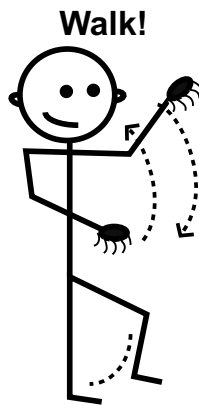
Hold up three fingers on each hand and pump them forward to the beat.



Chomp!

Six sided hexagon! Chomp, chomp, chomp!

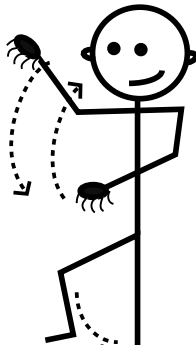
Walk like a dinosaur to the right.



Walk!

Walk like a dinosaur! Oh yeah!

Walk like a dinosaur to the left.

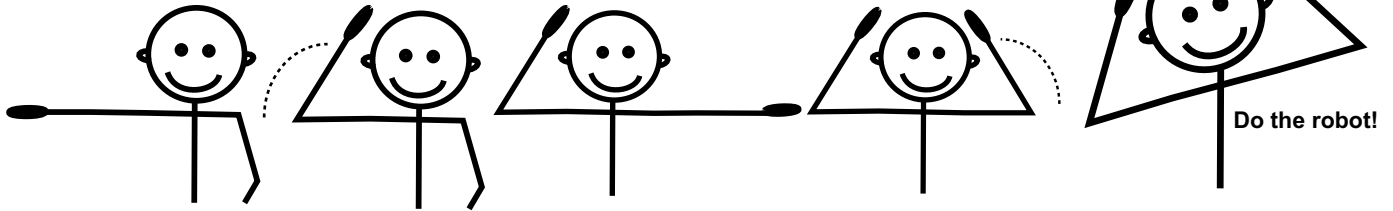


Walk like a dinosaur! Oh yeah!

(Repeat)

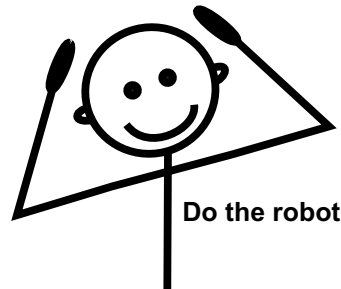
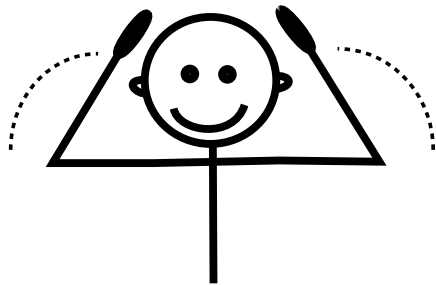
# Trapezoid

Make a trapezoid shape with your arms on the words, "Trapezoid!"



Trapezoid! Trapezoid! Roof Robot!

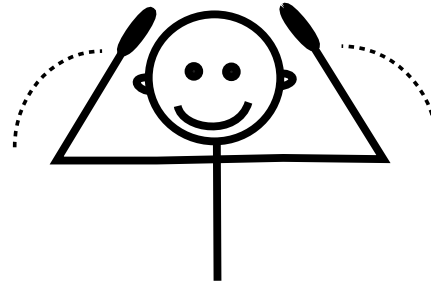
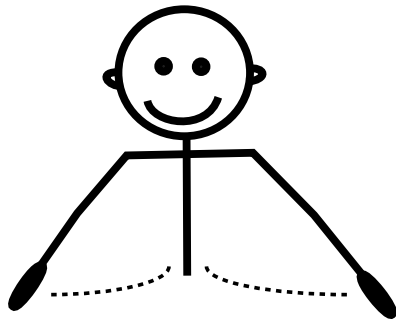
Make a trapezoid shape with your hands over your head.



Dance like a robot!

Shaped like a roof, he's a roof robot!

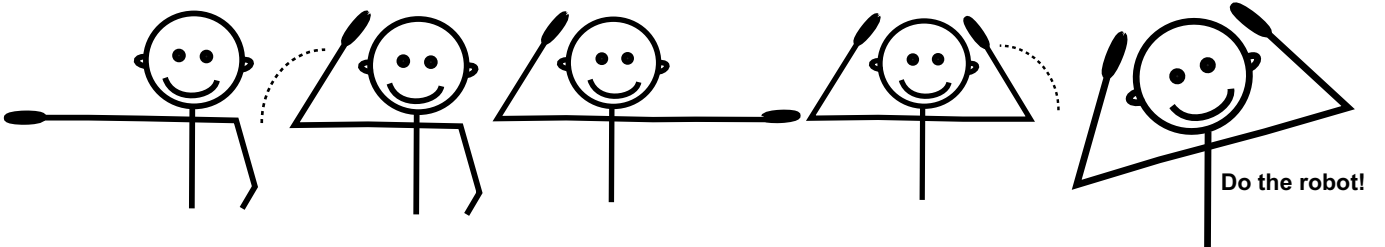
Put your hands out wide as shown.



Put your hands out narrow as shown, like a trapezoid.

Wide on the bottom, and narrow on the top!

Make a trapezoid shape with your arms on the words, "Trapezoid!"



Trapezoid! Trapezoid! Roof Robot!

# Trapezoid

Swivel and pivot to the right, and then walk like a robot to the right.

Walk like a robot!



# Trapezoid!

Swivel and pivot to the left, and then walk like a robot to the left.

Walk like a robot!



# Android!

Swivel and pivot to the right, and then walk like a robot to the right.

Walk like a robot!



# Trapezoid!

Swivel and pivot to the left, and then walk like a robot to the left.

Walk like a robot!



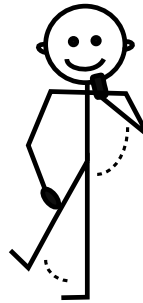
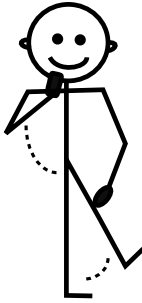
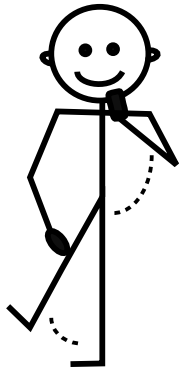
# Android!

At the end of the song, tell the kids to "power down!" and let yourselves hang "limp," as though someone unplugged the robot.

Can can!

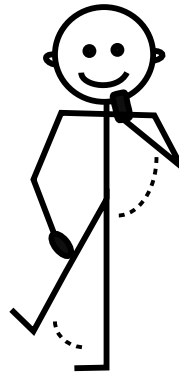
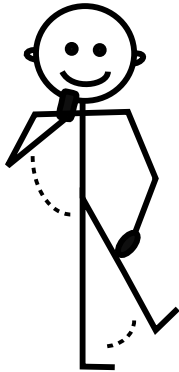
# Cylinder

This is like doing the Can-Can! Kick one foot in front of you and switch while shaping your hand like you're holding a can and drink it, then switch.

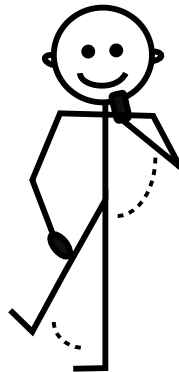
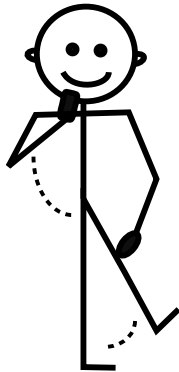


Kick one foot in front of you and switch while shaping your hand like you're holding a can and drink it, then switch.

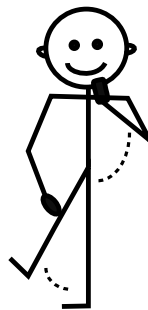
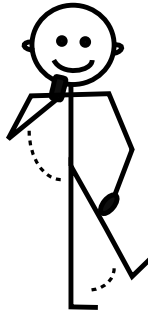
A can! A cylinder's a can, can,



Cylinder's a can, can,



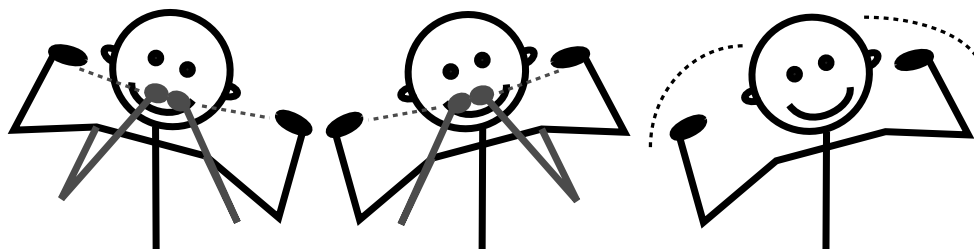
Cylinder's a can, a can,



A cylinder's a can!

# Measuring With a Ruler

Motion like you are unrolling a measuring tape.

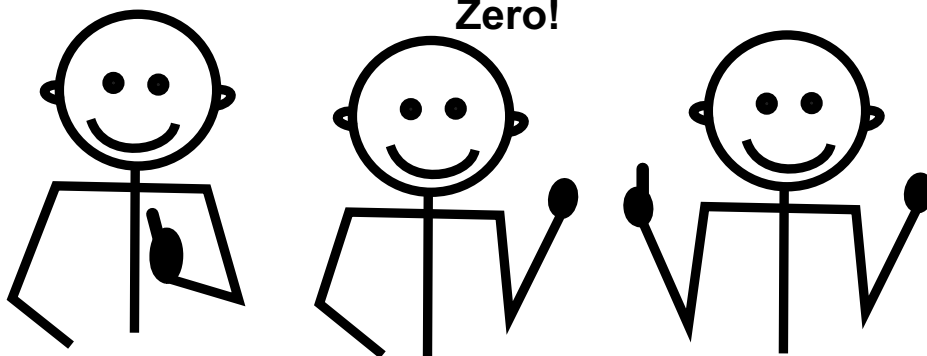


Bounce to the beat!

Measuring, measuring, easy and fun,

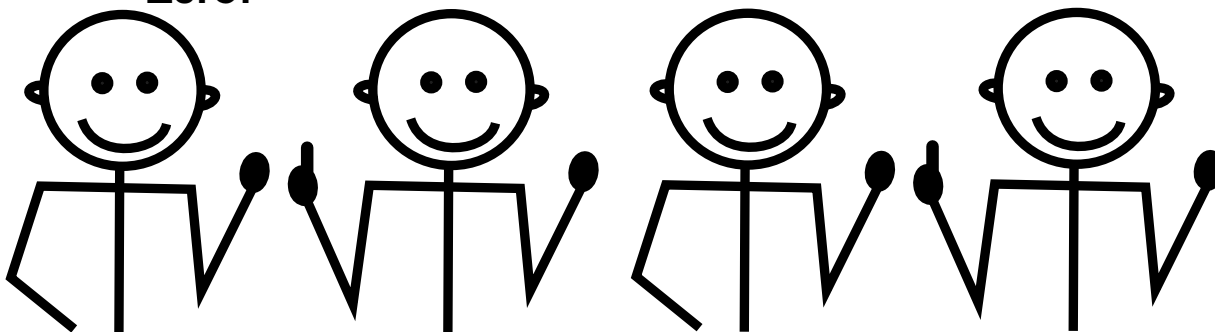
Zero!

Wag your finger in front of you.



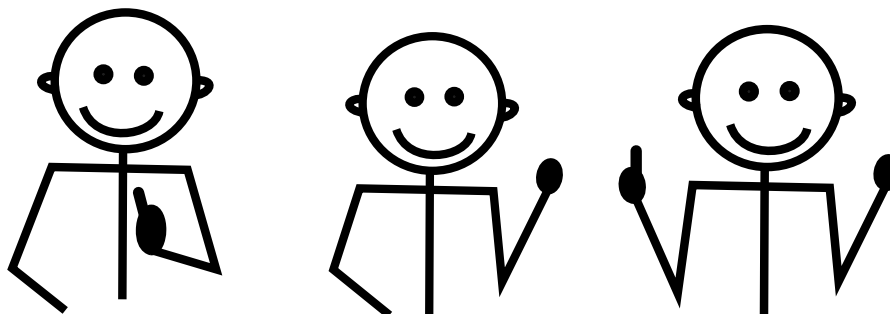
Start on the end with a zero or a one!

Zero!



Zero or one, zero or one,

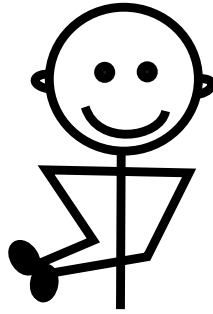
Wag your finger in front of you.



Start on the end with a zero or a one!

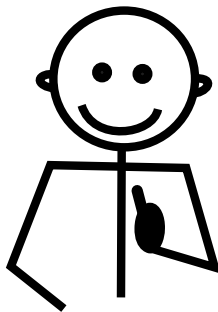
# Measuring With a Ruler

Using your hands  
against each other,  
display the edge.

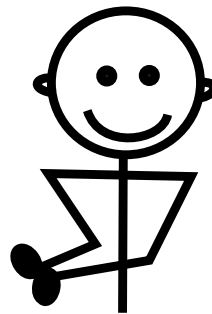


Put the end of the ruler on the edge of the toy!

Wag your finger in  
front of you.

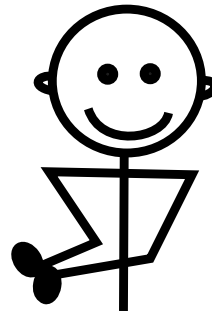
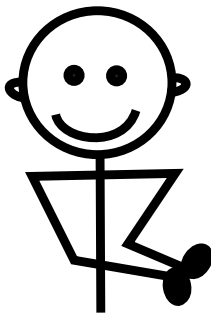


Using your hands  
against each other,  
display the edge.



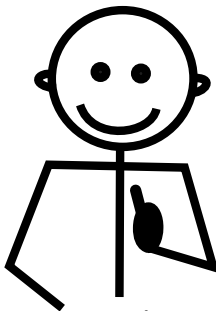
Put that end on the edge of the toy!

Using your hands  
against each other,  
display the edge.

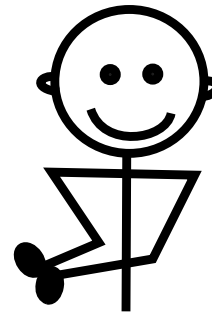


Edge of the toy, edge of the toy,

Wag your finger in  
front of you.



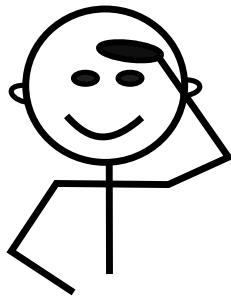
Using your hands  
against each other,  
display the edge.



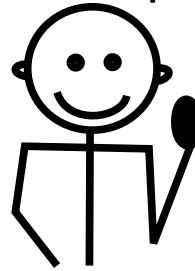
Put that end on the edge of the toy!

# Measuring With a Ruler

Put your hands over your eyes as you are trying to find that number.



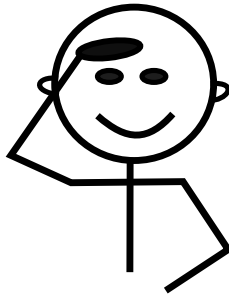
Stop!



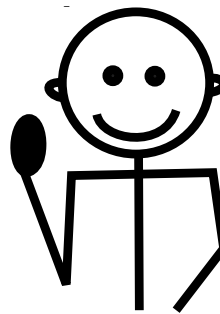
Push your hand forward in the "stop" position.

Find the number on the ruler where the toy stops,

Put your hands over your eyes as you are trying to find that number.

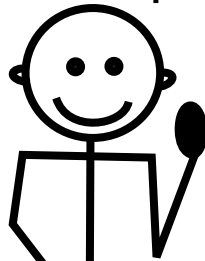


Push your hand forward in the "stop" position.

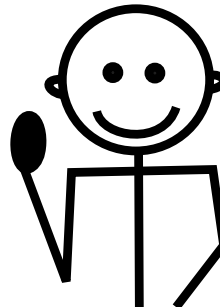


Find the number where the toy stops,

Push your hand forward in the "stop" position.

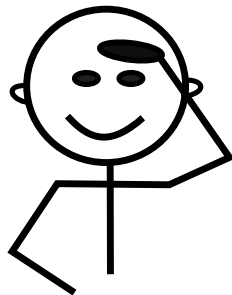


Stop!

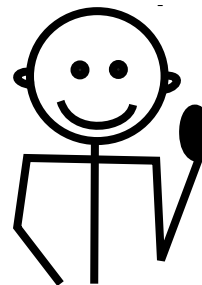


Where the toy stops, where the toy stops,

Put your hands over your eyes as you are trying to find that number.



Push your hand forward in the "stop" position.

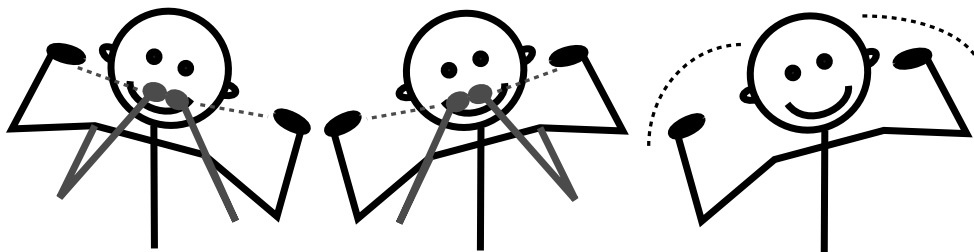


Find the number where the toy stops!



# Measuring With a Ruler

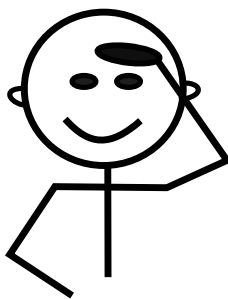
Motion like you are unrolling a measuring tape.



Bounce to the beat!

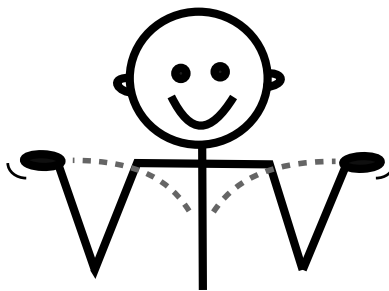
Measuring is easy and fun,

Put your hands over your eyes as you are trying to find that number.



Find the number,

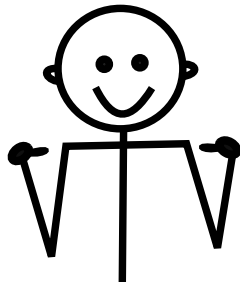
Put your hands out as shown.



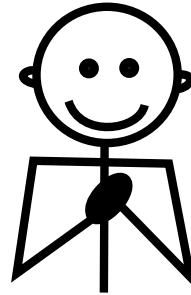
Then you're all done!

# The Pattern of the Hundreds Chart

Point to yourself.

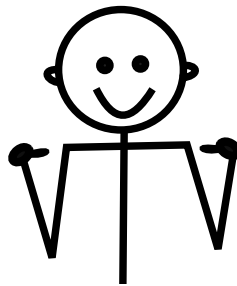


Put your hands on your heart.



I can write the numbers all by heart,

Bounce around pointing at yourself.

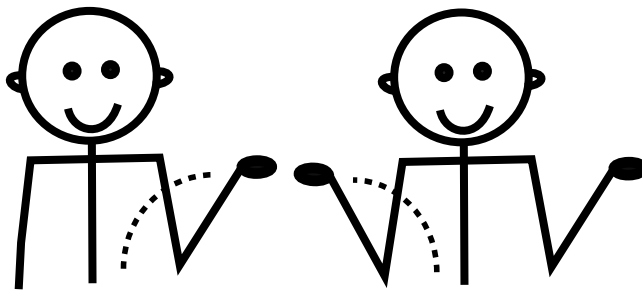


Cause I know the pattern of the hundreds chart!

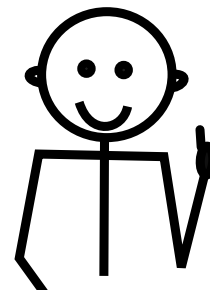
*(Caller:)*

*Let's start with ten and have some fun,  
'Cause all the teens, they start with one!*

Put your arms out in a question pose one at a time.



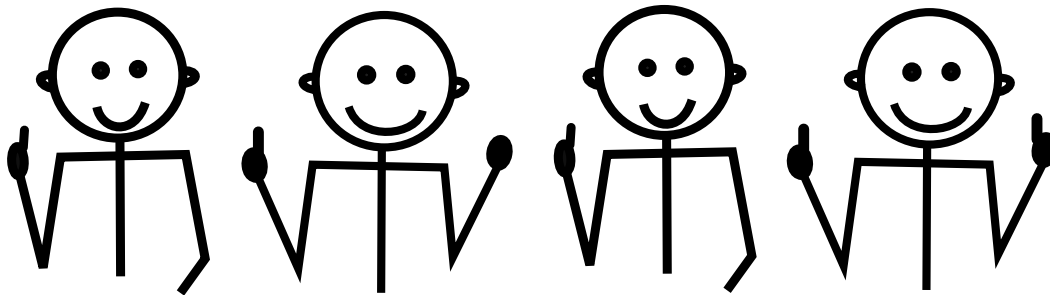
Hold up one finger.



All the teens, they start with one!

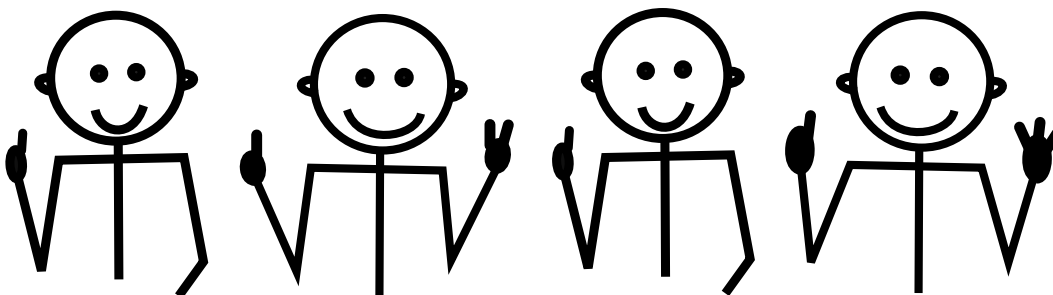
# The Pattern of the Hundreds Chart

Count with  
your fingers  
as shown!



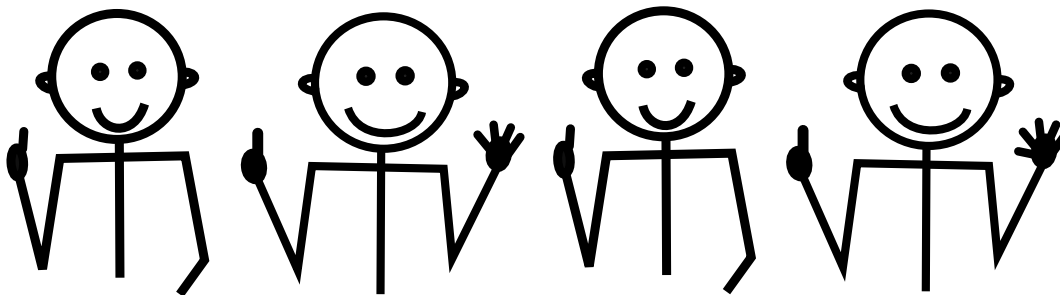
A one and a zero, a one and a one!

Count with  
your fingers  
as shown!



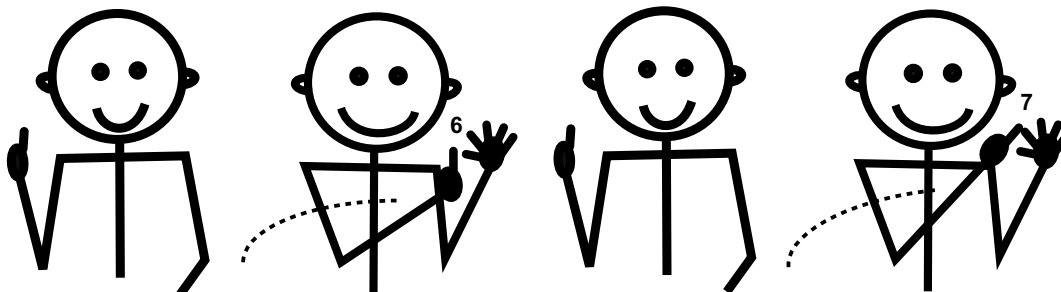
A one and a two, a one and a three!

Count with  
your fingers  
as shown!



A one and a four, a one and a five!

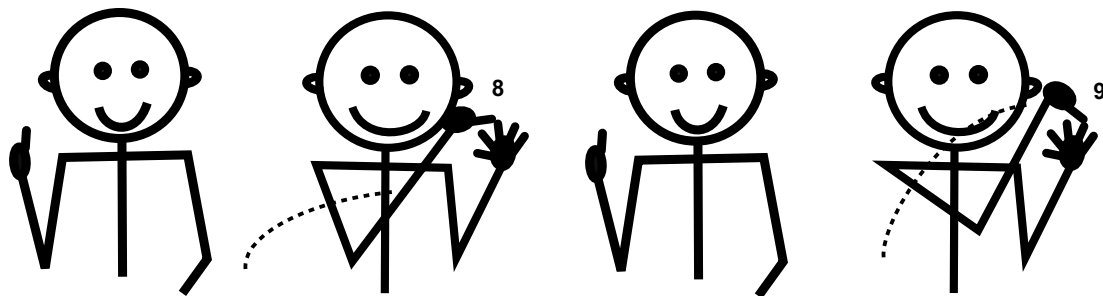
Count with  
your fingers  
as shown!



A one and a six, a one and a seven!

# The Pattern of the Hundreds Chart

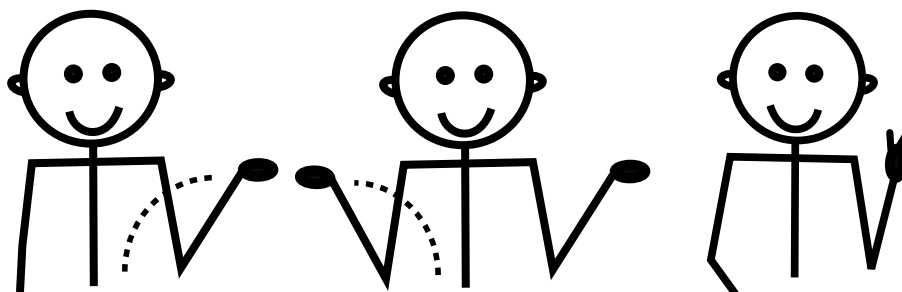
Count with your fingers as shown!



A one and an eight, a one and a NINE!

*(Caller:) Twenty is next and you know what to do!  
All the twenties start with two!*

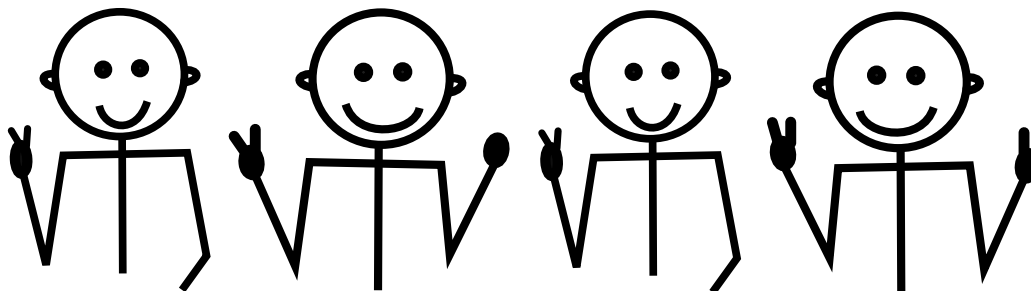
Put your arms out in a question pose one at a time.



Hold up two fingers.

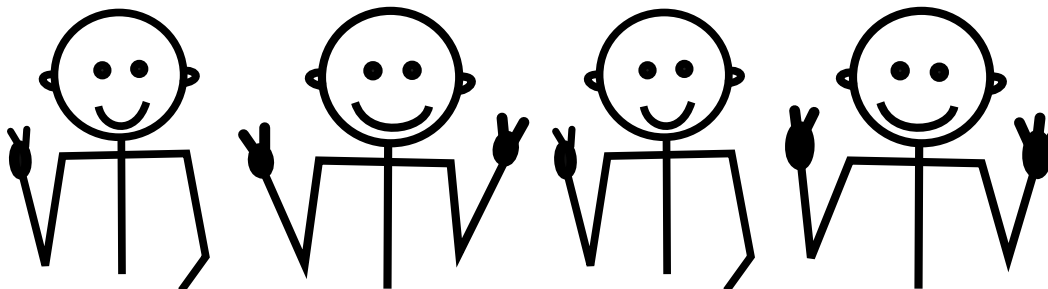
All the twenties start with two!

Count with your fingers as shown!



Two and a zero, two and a one!

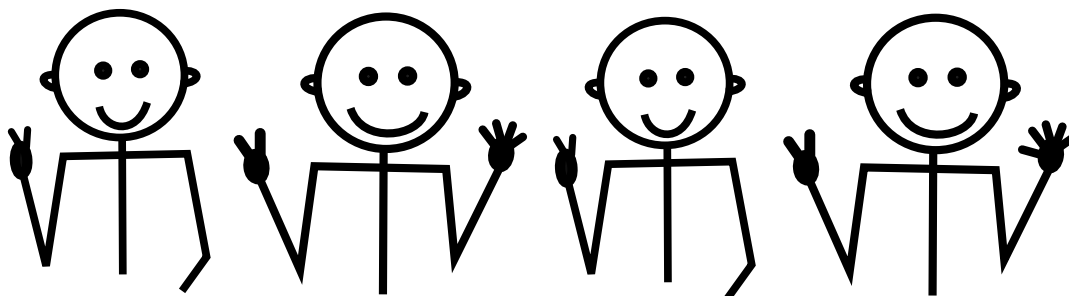
Count with your fingers as shown!



Two and a two, two and a three!

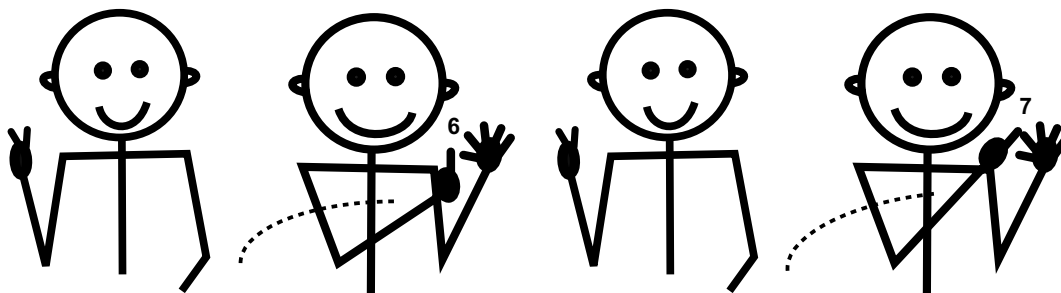
# The Pattern of the Hundreds Chart

Count with your fingers as shown!



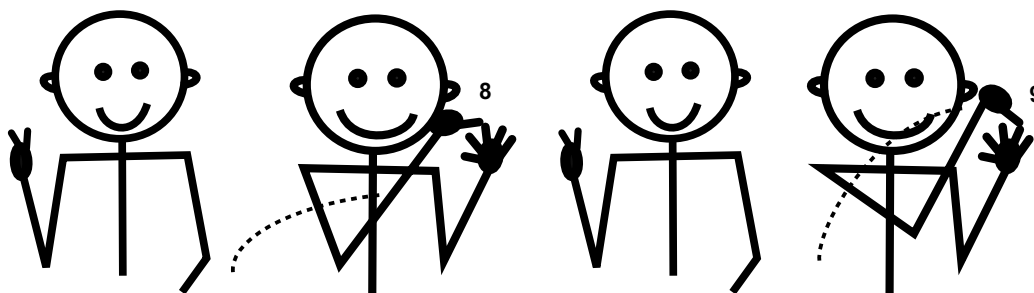
Two and a four, two and a five!

Count with your fingers as shown!



Two and a six, two and a seven!

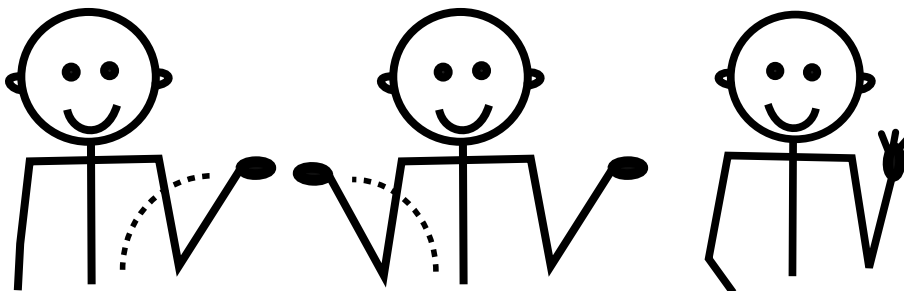
Count with your fingers as shown!



Two and an eight, two and a NINE!

*(Caller:) That's it for the 20's! You're doing fine! 30 is next and as you'll see, all the 30's start with three!*

Put your arms out in a question pose one at a time.

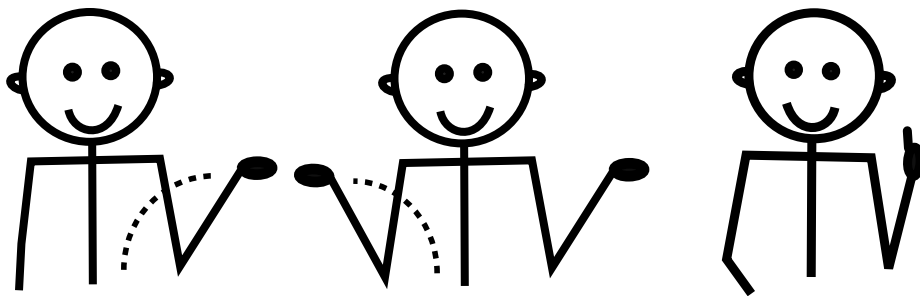


Hold up three fingers.

All the thirties start with three!

# The Pattern of the Hundreds Chart

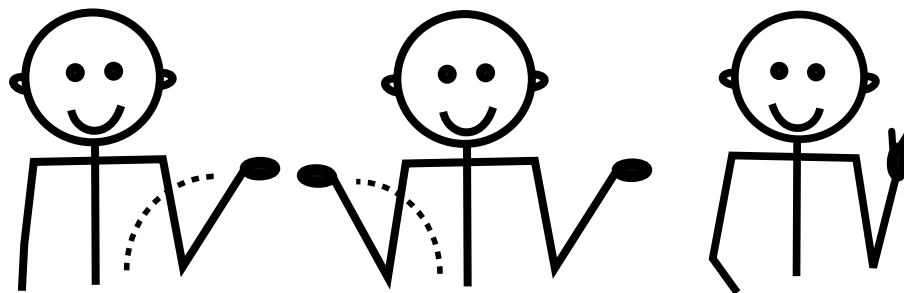
Put your arms out  
in a question pose  
one at a time.



Hold up one  
finger.

All the teens, they start with one!  
*(Child:) Hey, I think this makes a pattern!*

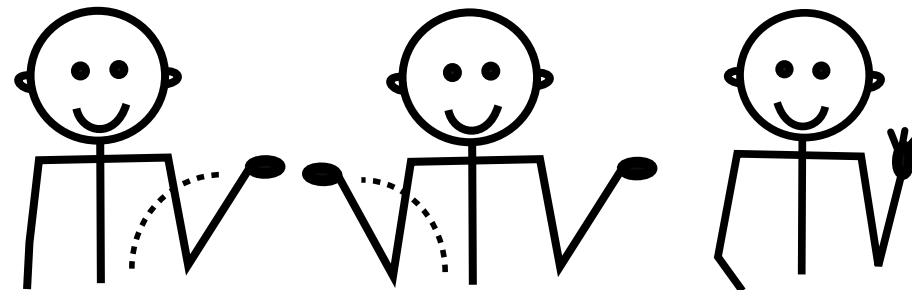
Put your arms out  
in a question pose  
one at a time.



Hold up two  
fingers.

All the twenties start with two!

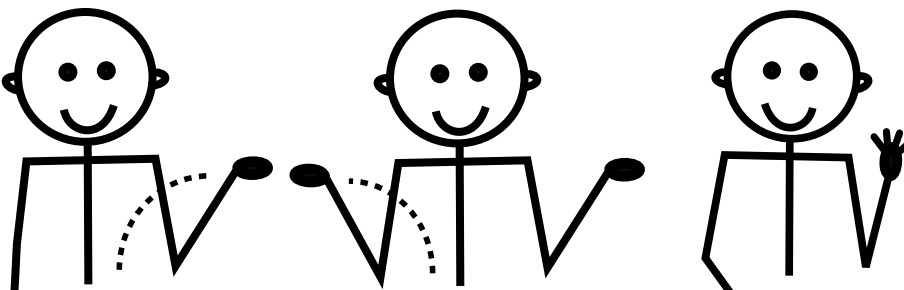
Put your arms out  
in a question pose  
one at a time.



Hold up three  
fingers.

All the thirties start with three!

Put your arms out  
in a question pose  
one at a time.

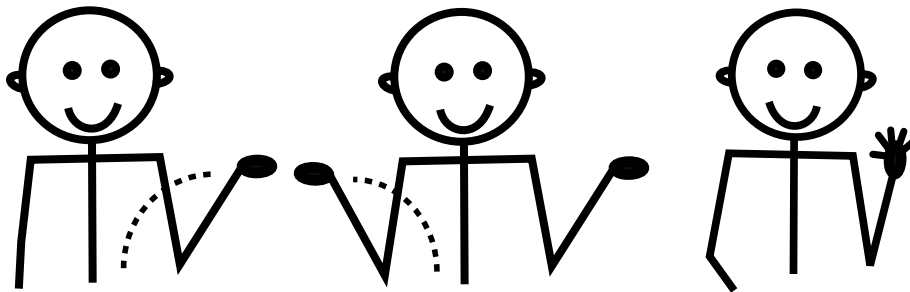


Hold up four  
fingers.

All the forties start with four!

# The Pattern of the Hundreds Chart

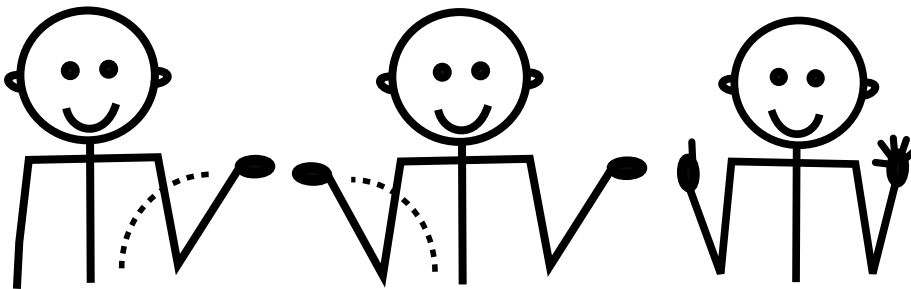
Put your arms out  
in a question pose  
one at a time.



Hold up five  
fingers.

All the fifties start with five!

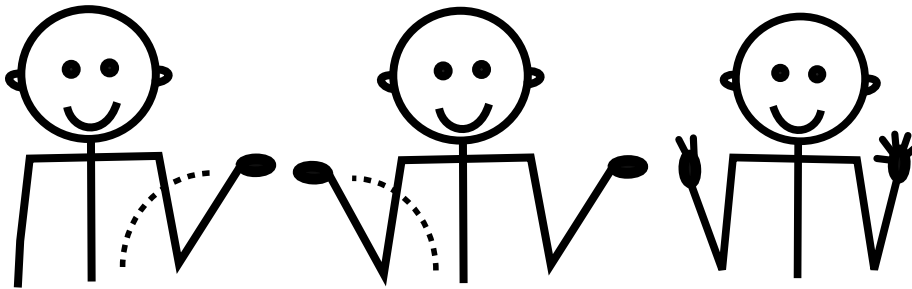
Put your arms out  
in a question pose  
one at a time.



Hold up six  
fingers.

All the sixties start with six!

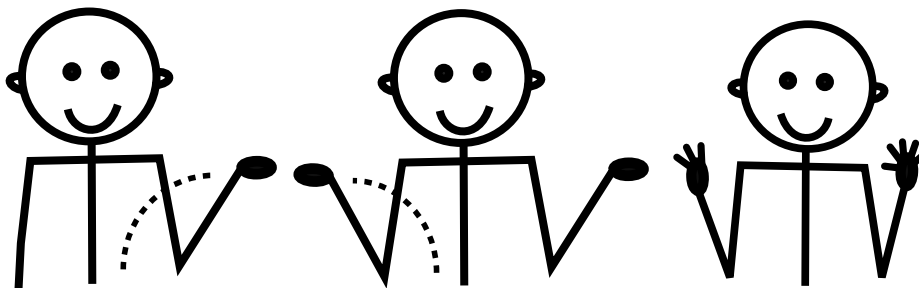
Put your arms out  
in a question pose  
one at a time.



Hold up seven  
fingers.

All the seventies start with seven!

Put your arms out  
in a question pose  
one at a time.

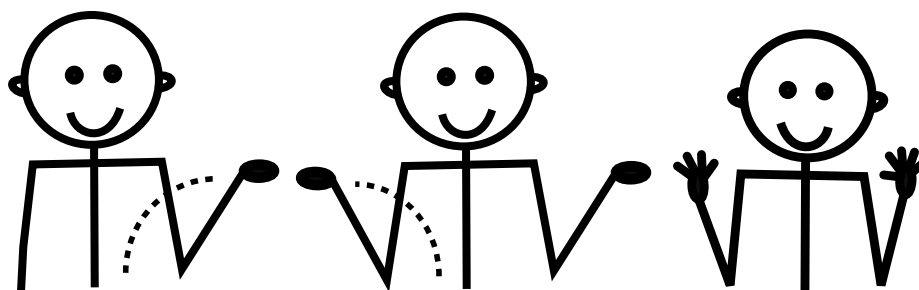


Hold up eight  
fingers.

All the eighties start with eight!

# The Pattern of the Hundreds Chart

Put your arms out  
in a question pose  
one at a time.



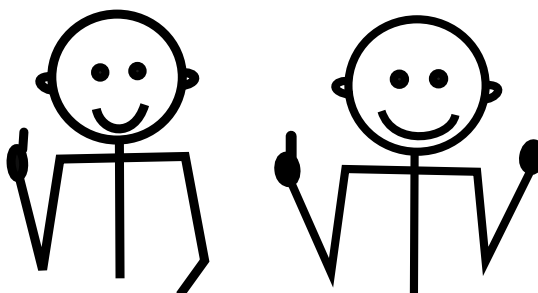
Hold up nine  
fingers.

All the nineties start with NINE!

*(Child:) Hey, what's after that?*

*(Caller:) That's one hundred! One, zero, zero!*

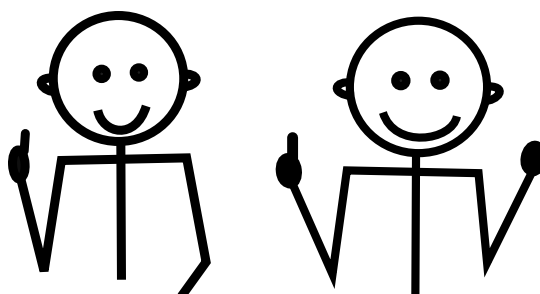
Hold up one  
finger and  
zero fingers  
on the other  
hand.



Pump the zero  
hand to indicate  
twice.

That's one hundred! One, zero, zero! (repeat)

Hold up one  
finger and  
zero fingers  
on the other  
hand.



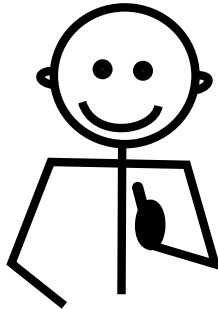
Pump the zero  
hand to indicate  
twice.

That's one hundred! One, zero, zero! (repeat)



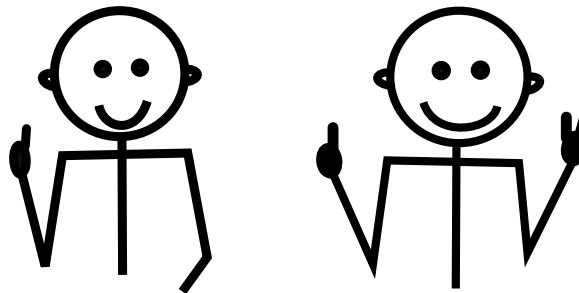
# 12 vs. 21

Wag your finger in front of you.



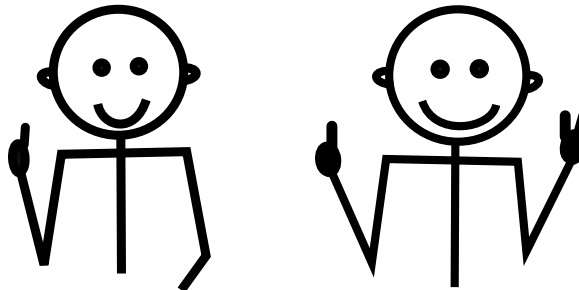
Number 12 will not trick you!

Show the correct amount of fingers each time!



First a one and then a two!

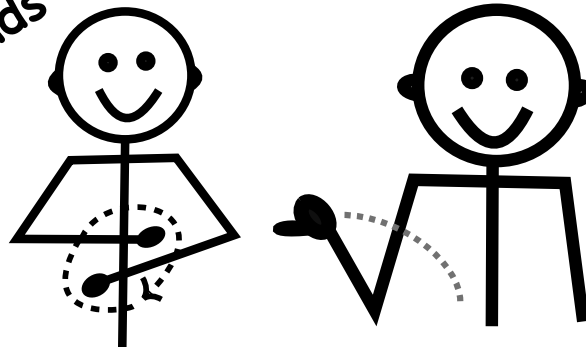
Show the correct amount of fingers each time!



First a one and then a two!

Roll your hands and then point to the left, but with a sign language L instead of a thumb.

*Roll hands*

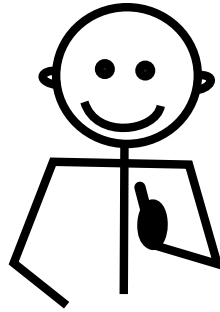


Point to the left, making an L with your fingers!

Starting on the left!

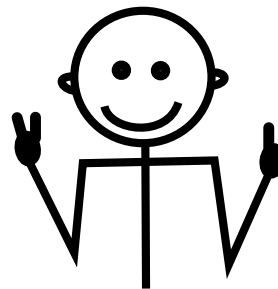
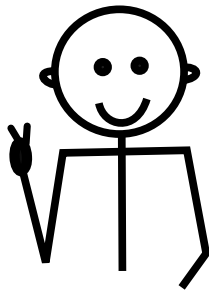
# 12 vs. 21

Wag your finger in front of you.



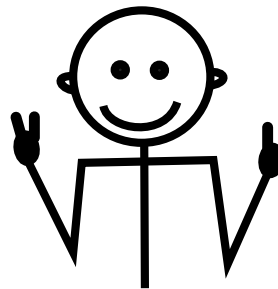
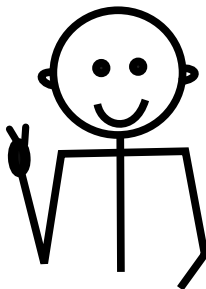
## Careful with the 21!

Show the correct amount of fingers each time!



## First a two and then a one!

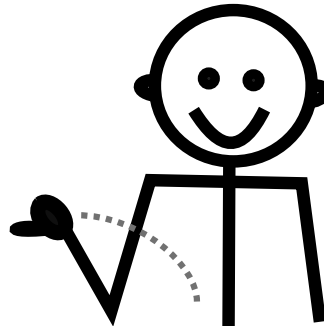
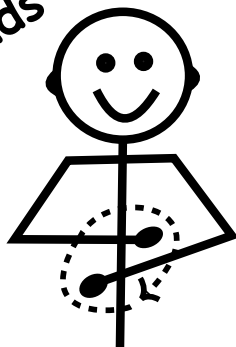
Show the correct amount of fingers each time!



## First a two and then a one!

Roll your hands and then point to the left, but with a sign language L instead of a thumb.

**Roll hands**

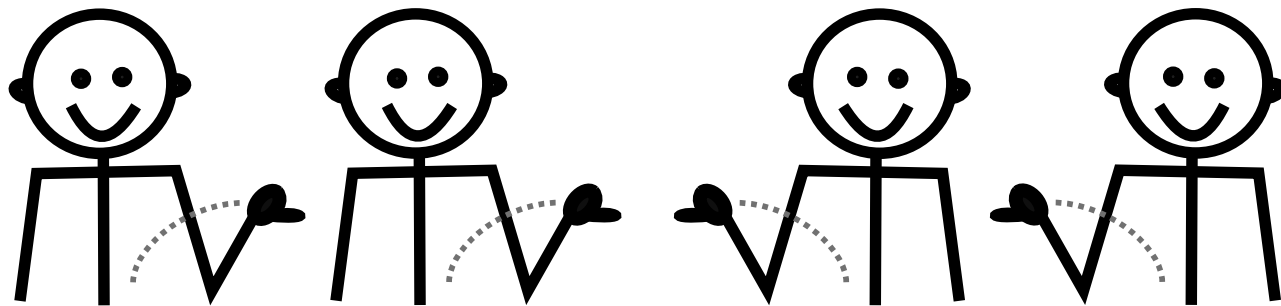


Point to the left, making an L with your fingers!

## Starting on the left!

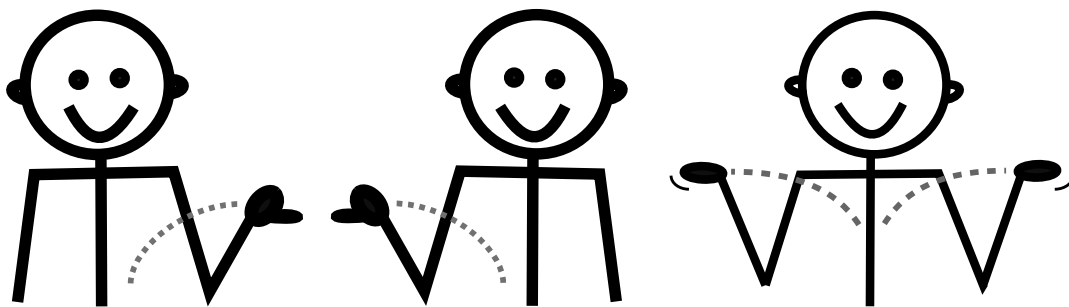
# Counting Backwards from 20

Use your thumbs to point behind you.



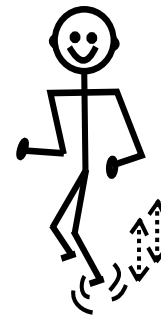
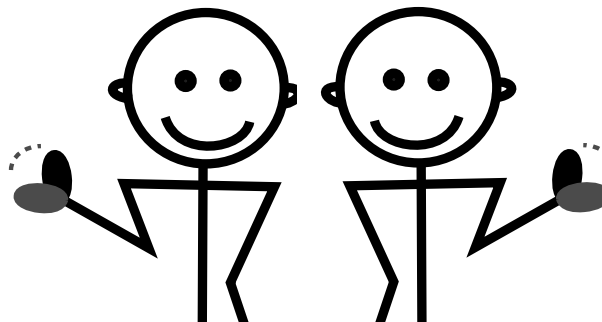
Backwards from 20, we are counting backwards,

Dance around in a circle throwing out your thumbs.



Backwards from 20, and it goes like this:

Motion like someone should come to you while walking backwards.

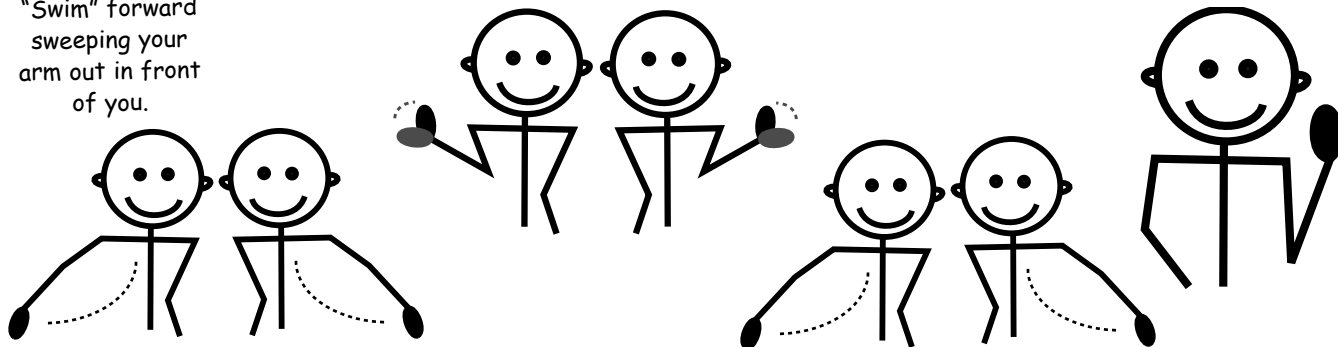


Hop!

20, 19, 18, 17, 16, 15, 14, HOP!

Push your hand forward as if to say, "Stop!"

"Swim" forward sweeping your arm out in front of you.

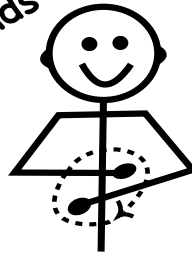


13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1. STOP!

# Counting Backwards from 20

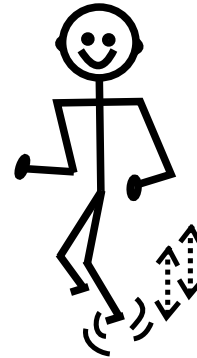
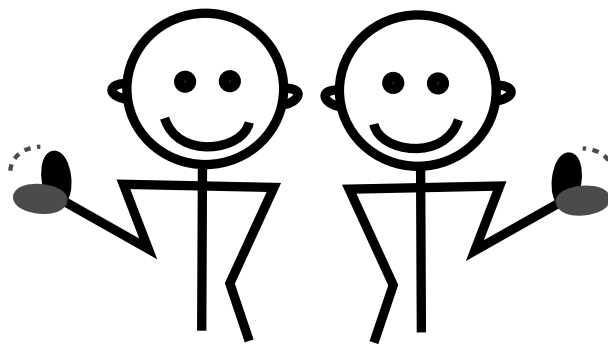
Roll your hands!

Roll hands



Let's go! Do it again!

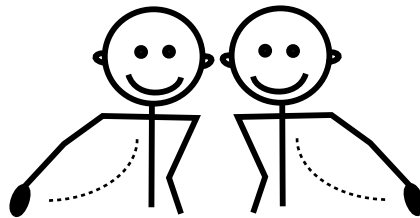
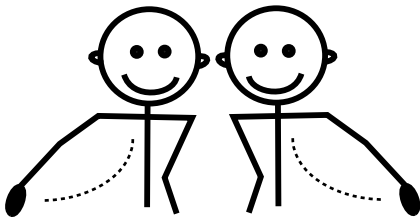
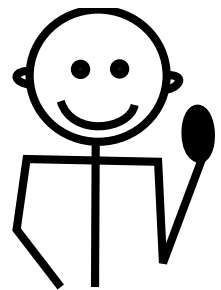
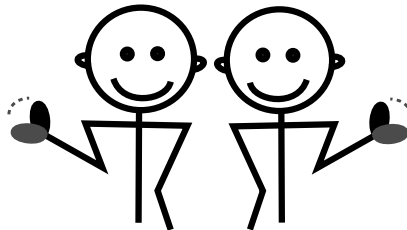
Motion like someone should come to you while walking backwards.



Hop!

20, 19, 18, 17, 16, 15, 14, HOP!

"Swim" forward sweeping your arm out in front of you.

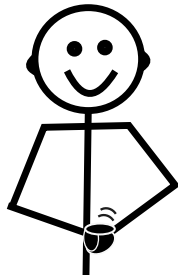


13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1. STOP!

# Telling Time is Easy

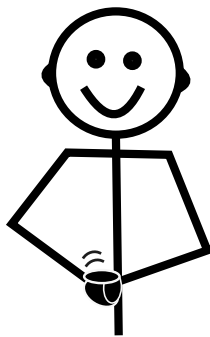
Point to your watch!

Point to a pretend watch on your left wrist.



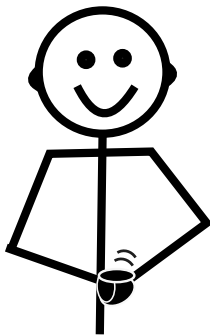
Telling time is easy!

Point to a pretend watch on your right wrist.



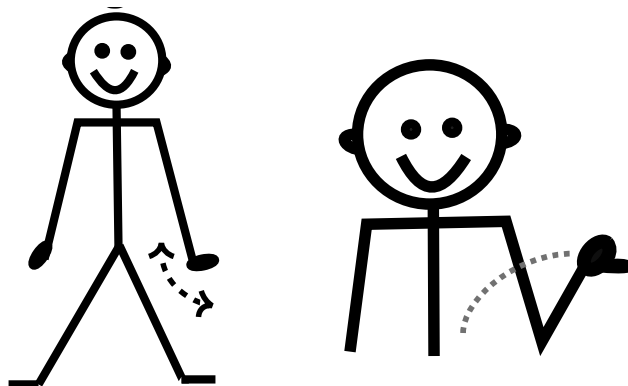
Telling time is easy!

Point to a pretend watch on your right wrist.



Telling time is easy!

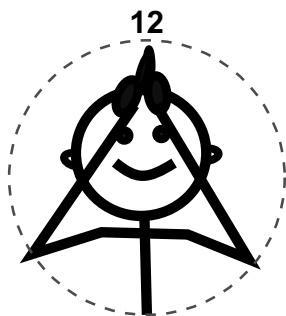
Brush your thighs and then swing your thumb out because it's time to go.



And it's time to go tell time!

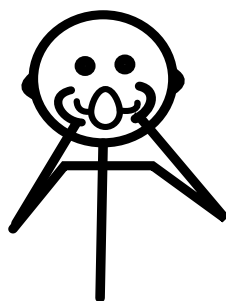
# Telling Time is Easy

Put both hands up as shown to act like a clock with both hands up.



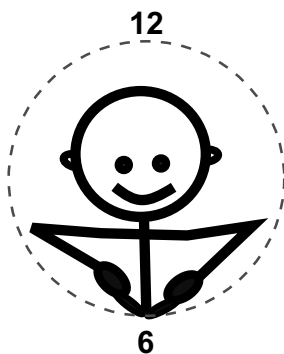
When the big hand's on the 12,

Put both hands around the mouth as if you are shouting.



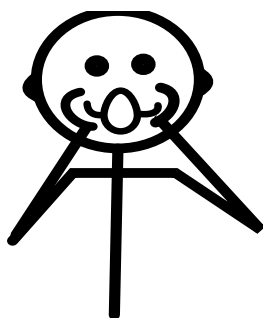
Say o'clock and you'll do well!

Put both hands on the six, as shown,

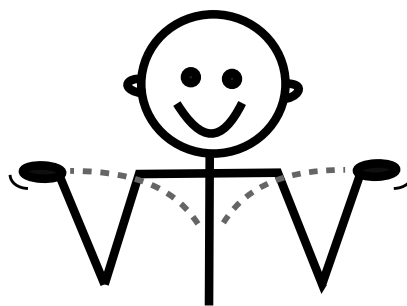


When the big hand's on the six,

Put both hands around the mouth as if you are shouting.



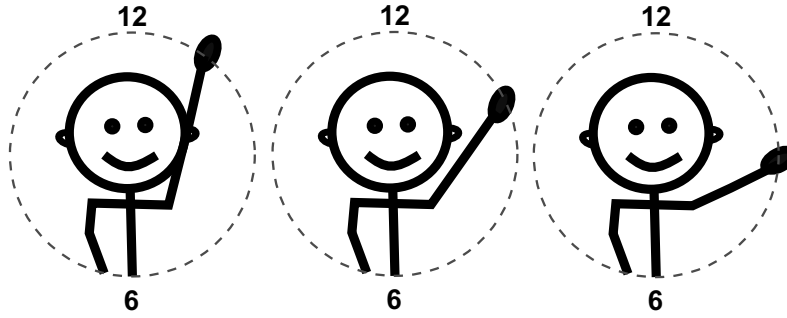
Put both hands out as if to say, "That's all!"



Just say 30! That's the trick!

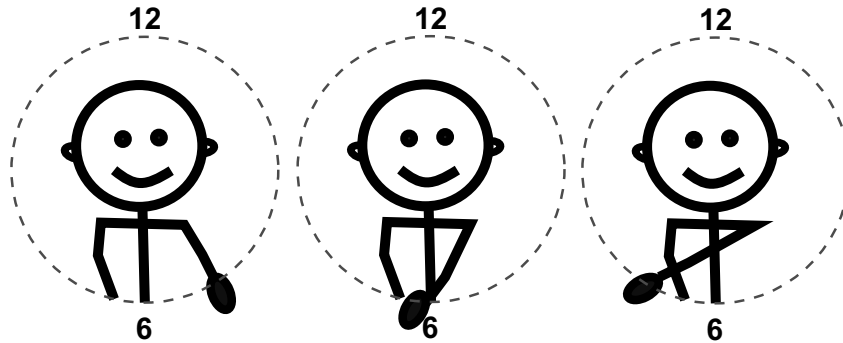
# Telling Time is Easy

Make your hand go round like a clock.



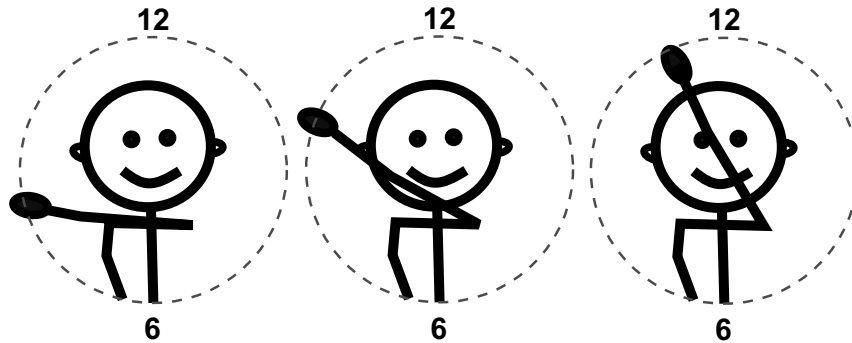
Big hand tells the minutes!

Make your hand go round like a clock.



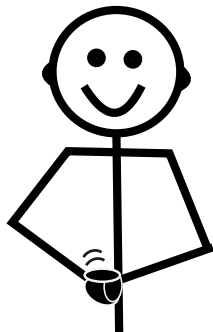
Big hand tells the minutes!

Continue as before.

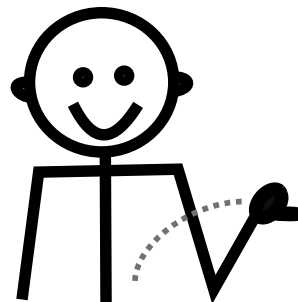


big hand tells the minutes!

Point to your watch.



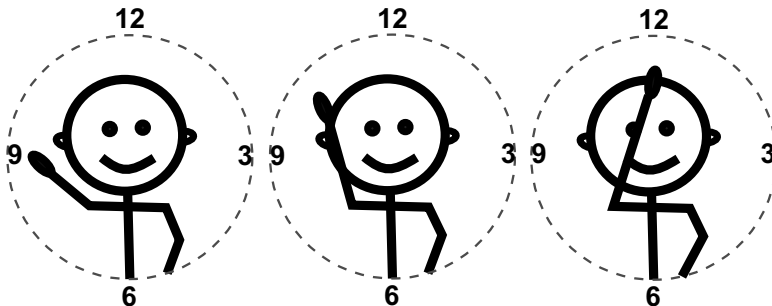
Thumb a ride to show where you are going.



And it's time to go tell time!

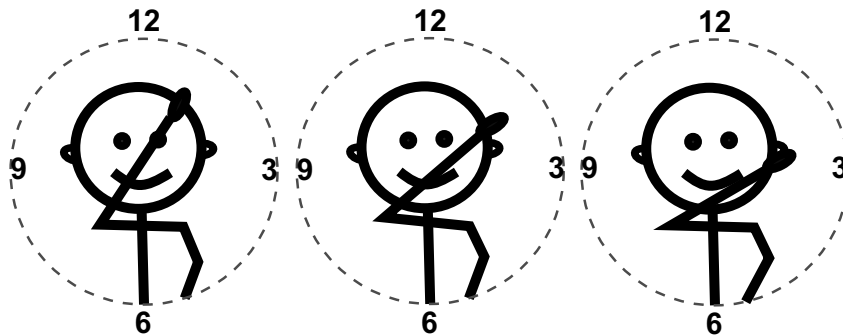
# Telling Time is Easy

Make your hand go round like a clock.



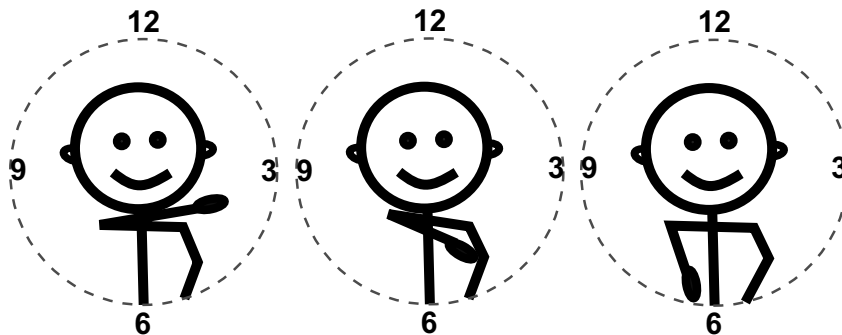
Small hand tells the hours!

Make your hand go round like a clock.



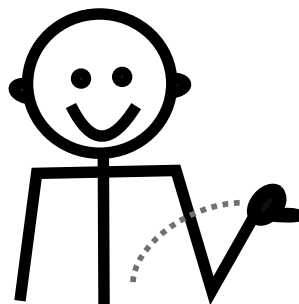
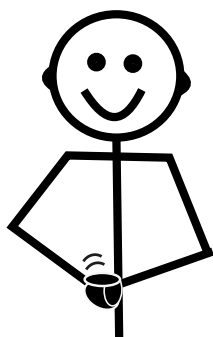
Small hand tells the hours!

Continue as before.



Small hand tells the hours!

Point to your watch.



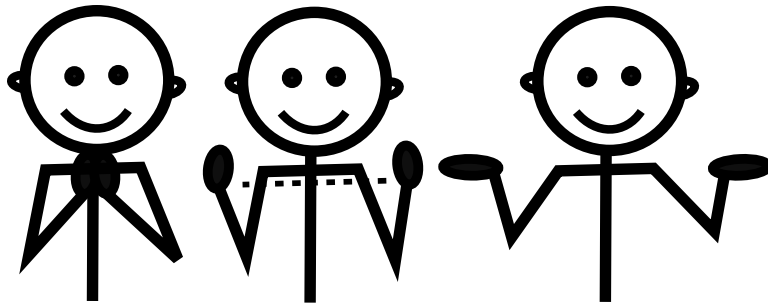
Thumb a ride to show where you are going.

And it's time to go tell time!



# One Half (chorus)

Show one round thing with your two hands and break it in half. Show the two parts.



One half means two equal parts.

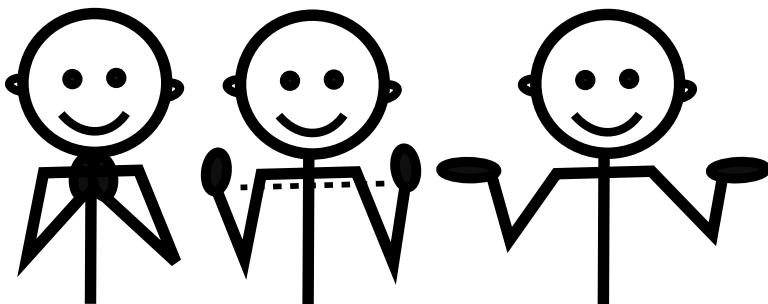
Push forward right-left-right with your hands as shown.

**Push forward back & forth!**



Both parts are the same!

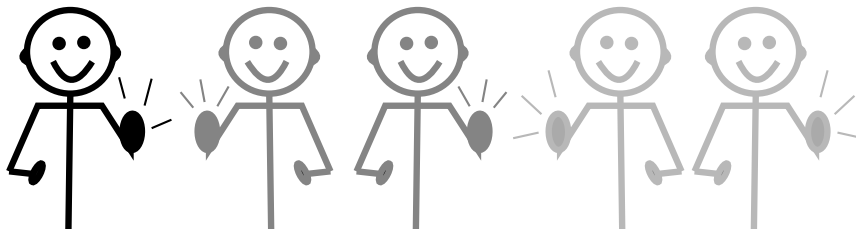
Show one round thing with your two hands and break it in half. Show the two parts.



One half means two equal parts.

Push forward right-left-right with your hands as shown.

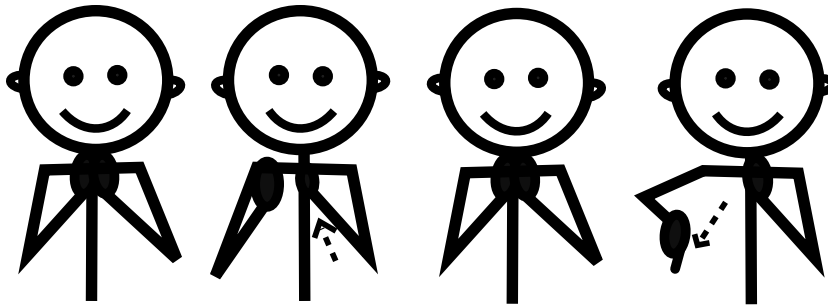
**Push forward back & forth!**



Both parts are the same! (Repeat from beginning.)

# One Half

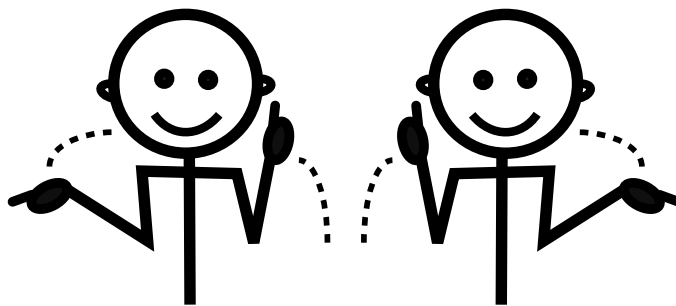
Point to yourself.



Point in front of you.

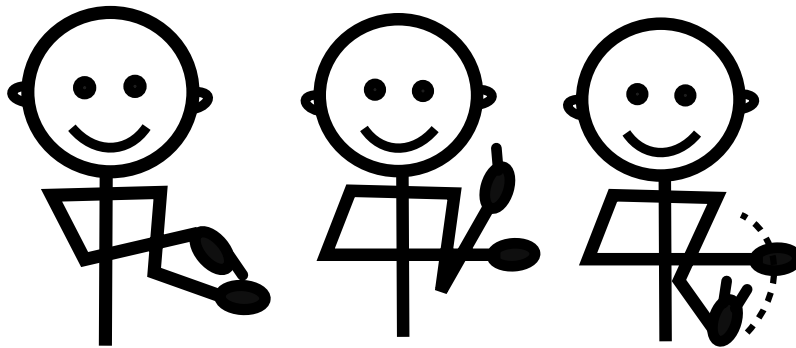
Half for me, half for you!

Point and dance.



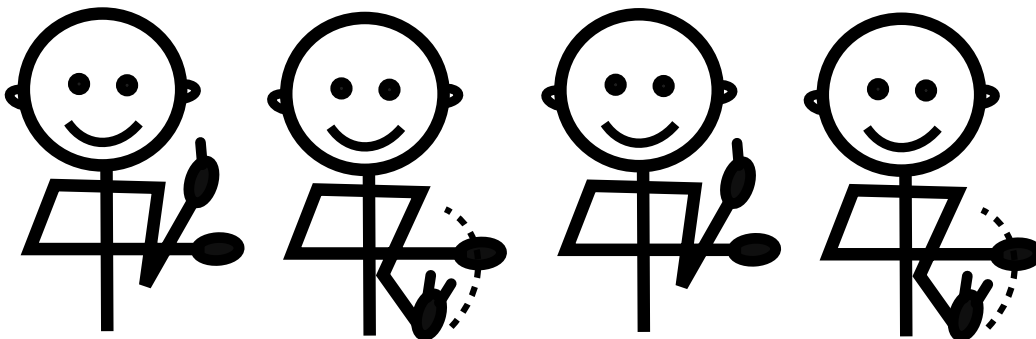
Even Steven, fair and true!

Pretend to write. Then put one hand over your arm, showing one finger, and then move the hand under your arm and show two fingers.



Write it down, one over two!

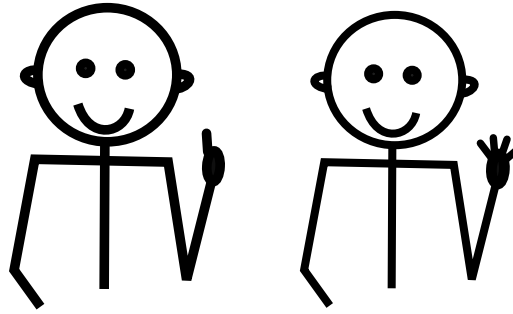
Put one hand over your arm, showing one finger, and then move the hand under your arm and show two fingers.



One over two! One over two! (Repeat chorus from beginning.)

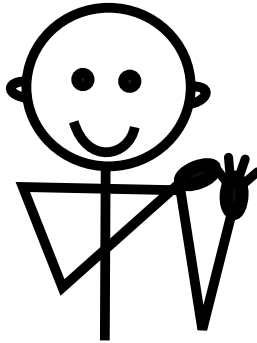
# One Fourth

Show just one finger  
and then four.



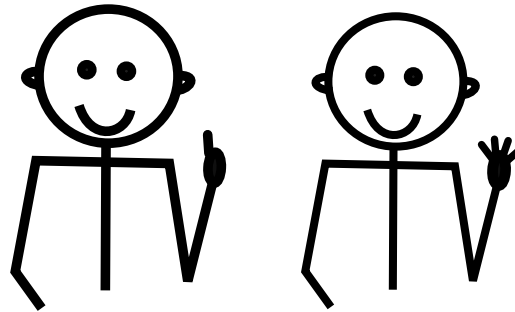
One fourth means just one of four!

While holding up  
four fingers on one  
hand, take the other  
and touch each one  
of the four fingers.



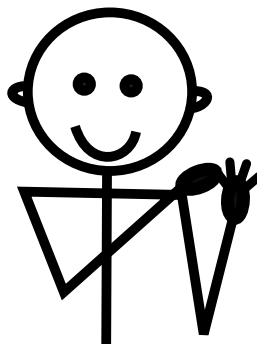
One of four equal parts!

Show just one finger  
and then four.



One fourth means just one of four!

While holding up  
four fingers on one  
hand, take the other  
and touch each one  
of the four fingers.

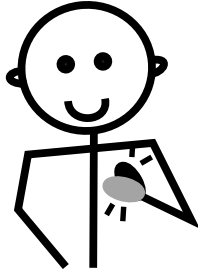


One of four equal parts!

# One Fourth

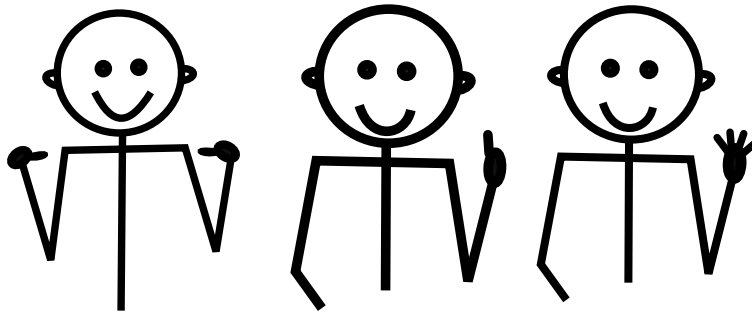
Pretend to knock on the door.

Knock!



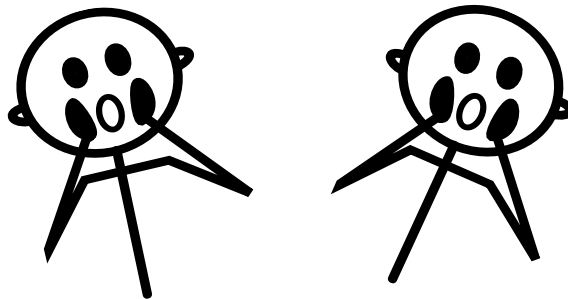
Pizza man comes to the door,

Point to yourself, and then show one finger, and then four.



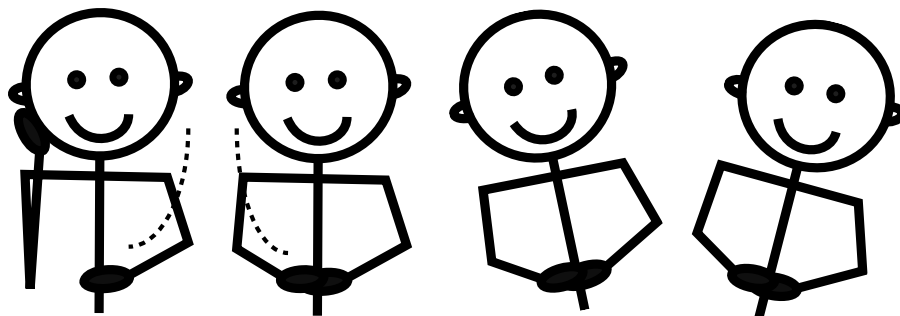
I just get one slice of four!

Put your hands on your cheeks to indicate surprise.



That's a quarter of the pie,

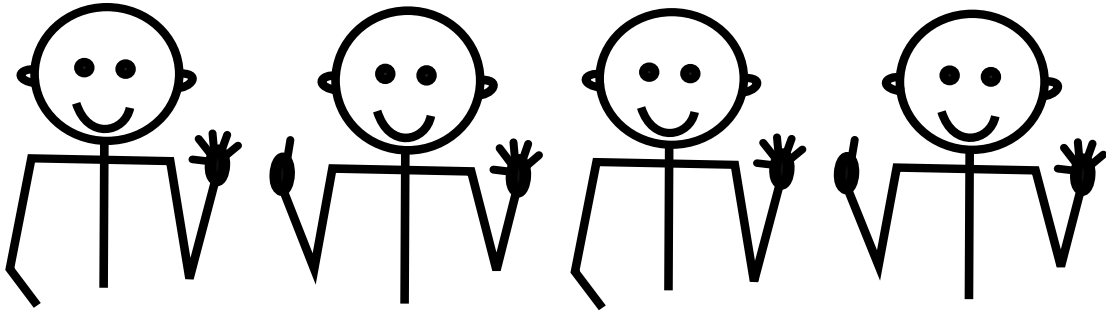
Put one hand after another on your tummy to indicate that you are still hungry, and rock back and forth with your hands on your tummy.



I'm still hungry! My, oh, my!

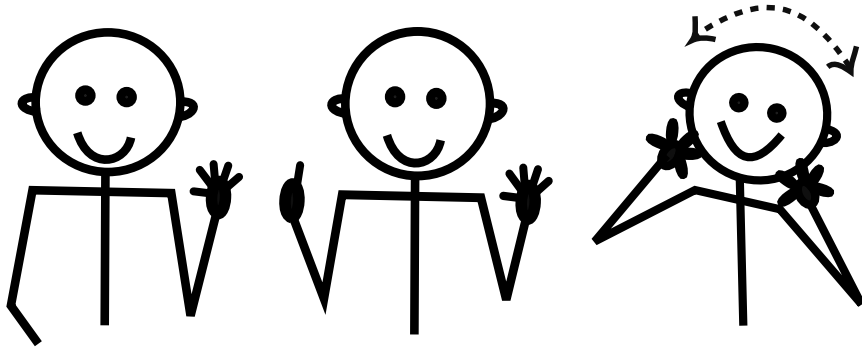
## Counting Coins

Hold up five fingers for a nickel and then one for a penny.



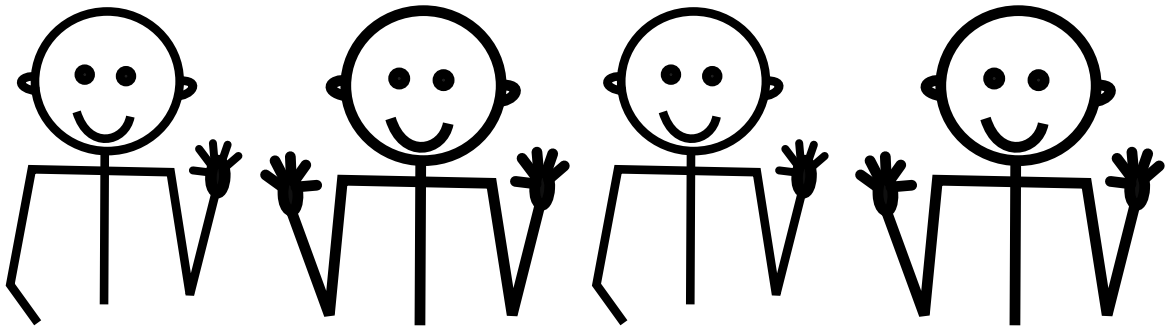
Nickel and a penny! Nickel and a penny!

Hold up five fingers for a nickel and then one for a penny. Then hold your hands up as shown and wiggle your head back and forth!



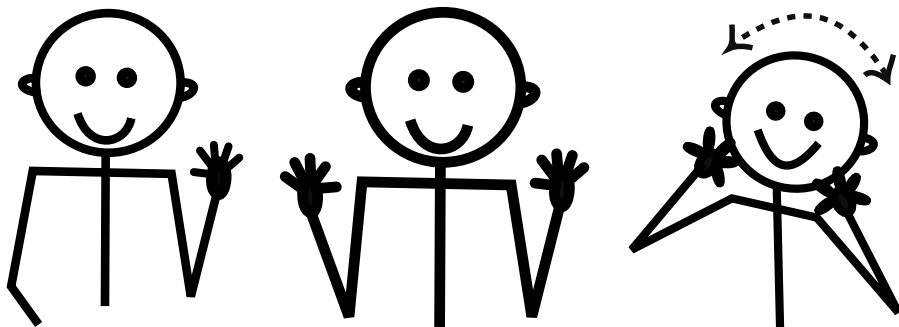
Five plus one makes six cents! (Repeat from beginning.)

Hold up five fingers for a nickel and then ten for a dime.



Nickel and a dime! A nickel and a dime!

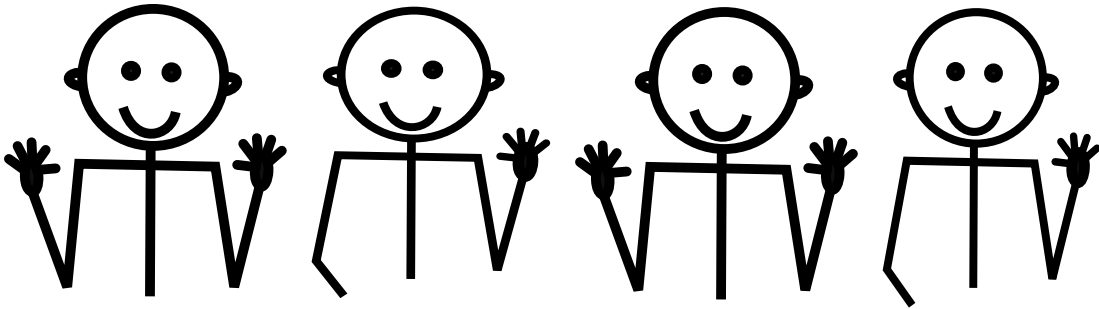
Hold up five fingers for a nickel and then ten for a dime. Then hold your hands up as shown and wiggle your head back and forth!



Five plus ten. 15 cents! (Repeat from "Nickel and a dime...")

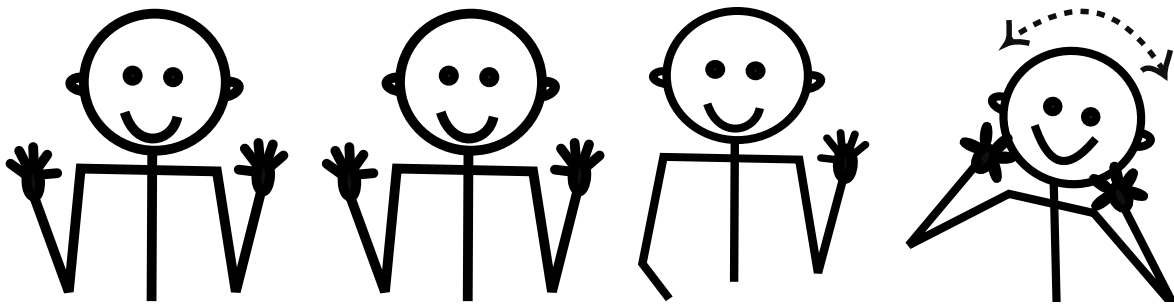
# Counting Coins

Flash hands twice to indicate two tens.



Two dimes and a nickel! Two dimes and a nickel!

Flash hands twice to indicate two tens.

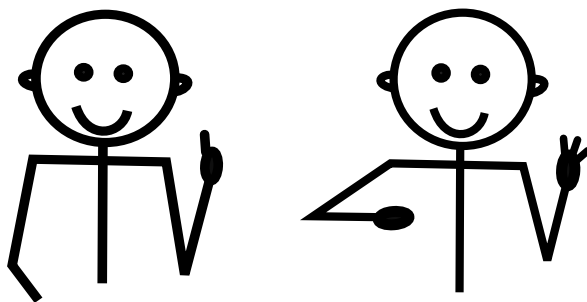


Ten and ten and five: 25!

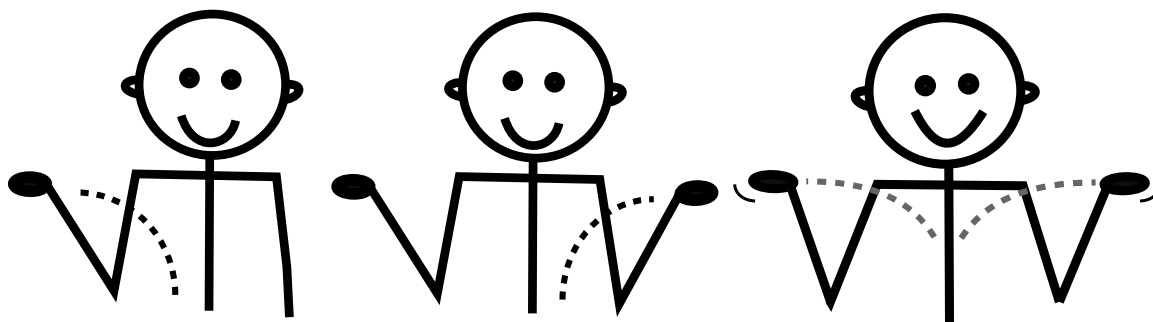
(Repeat from "Two dimes and a nickel...")

# Adding Numbers to Ten

Show one finger  
and then three  
fingers.

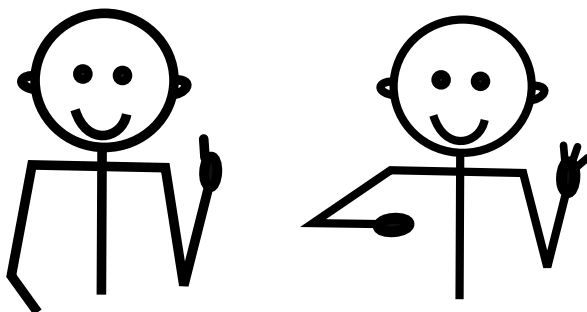


One stack of ten and three more,

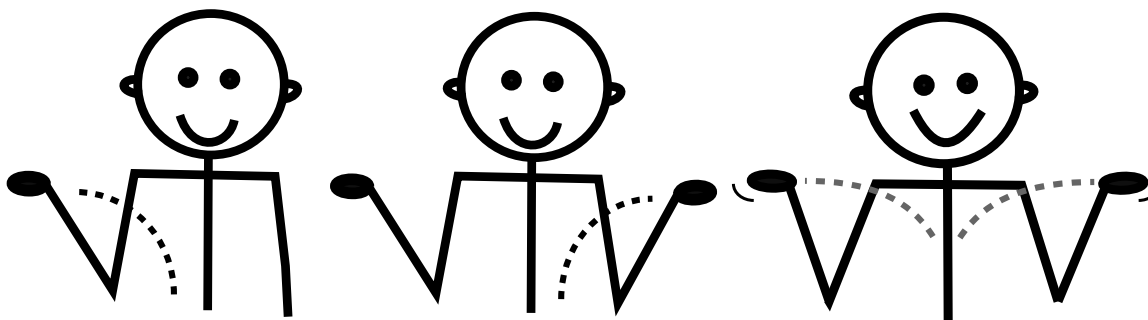


How much could it be?

Show one finger  
and then three  
fingers.



One stack of ten and three more,



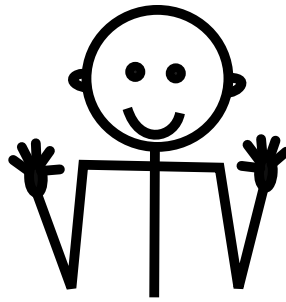
How much could it be?

# Adding Numbers to Ten

(Continued)

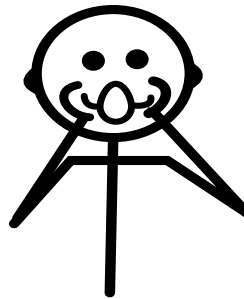
(Caller:) Put ten in your head and count three more. Ready, set? Here we go!

Show ten fingers.  
Then touch an  
eleventh finger, a  
twelfth, and a thir-  
teenth finger in time  
with the music.



(Kids:) TEN! 11, 12, 13.

(Caller:) How much is it?

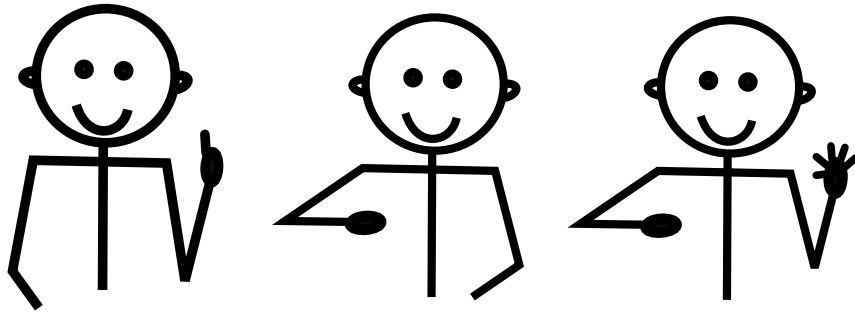


(Kids:) 13!

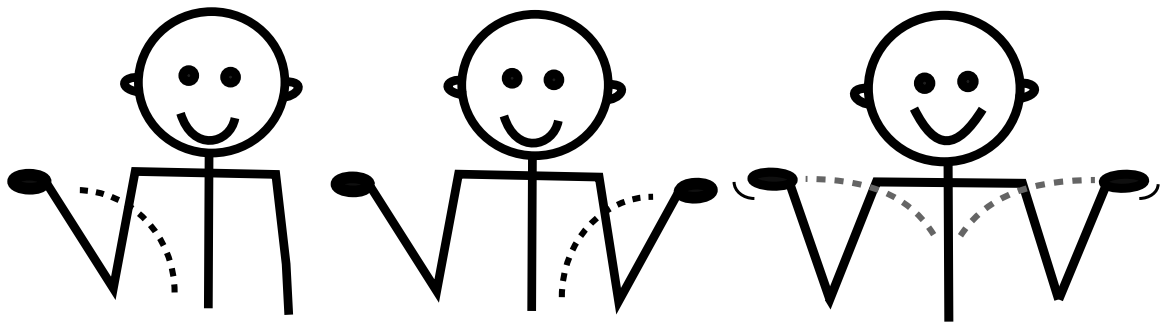
(Caller:) Great job! Now let's try it again.  
With a stack of ten, and five more.  
Ready, set? Here we go!



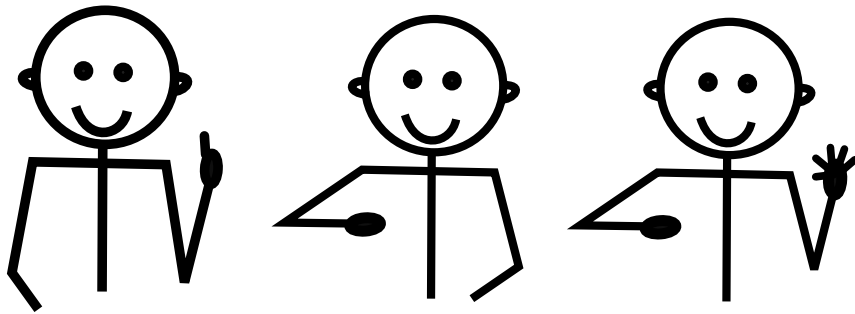
## Adding Numbers to Ten



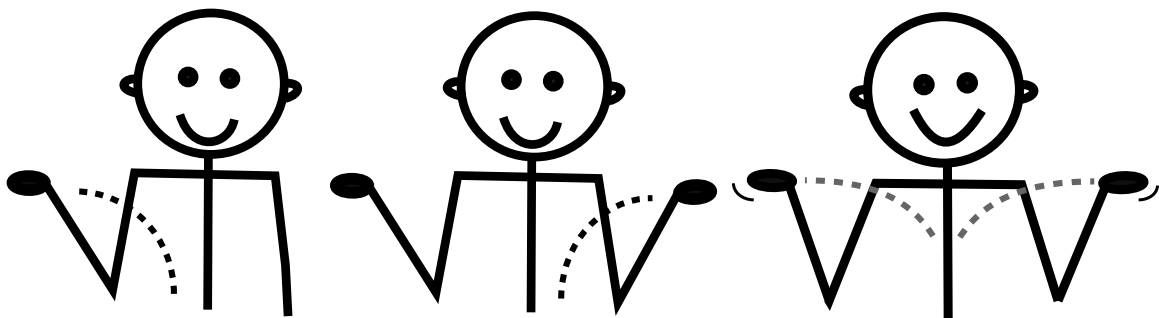
One stack of ten and five more,



How much could it be?



One stack of ten and five more,



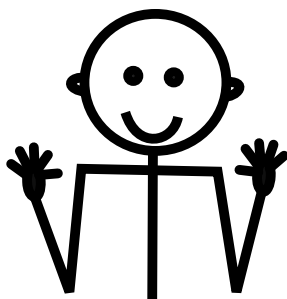
How much could it be?

## Adding Numbers to Ten

(Continued)

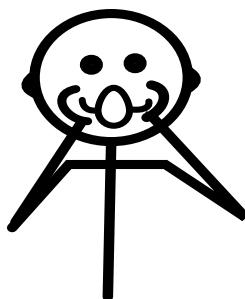
(Caller:) Put ten in your head and count five more. Ready, set? Here we go!

Show ten fingers.  
Then touch an  
eleventh finger, a  
twelfth, and a thir-  
teenth finger in time  
with the music.



(Kids:) TEN! 11, 12, 13, 14, 15.

(Caller:) I think you know it. How much is it?



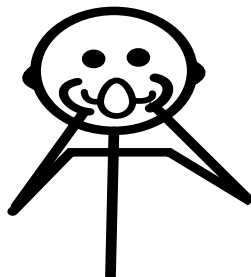
(Kids:) 15!

(Caller:) Very good! Alright! Do you think you've got it? Here we go! Here we go!

# Adding Numbers to Ten

(Continued)

(Caller:) Ten plus six.

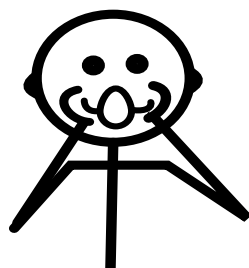


(Kids:) 16!

Put your hands around your mouth, as if you are shouting.

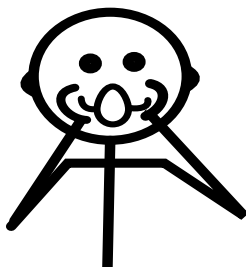
Optional: Show the correct amount of fingers.

(Caller:) Ten plus four!



(Kids:) 14!

(Caller:) Ten plus eight!

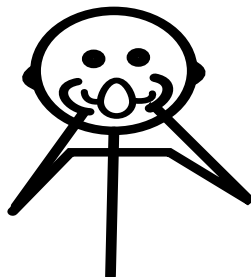


(Kids:) 18!

# Adding Numbers to Ten

(Continued)

(Caller:) Ten plus one.

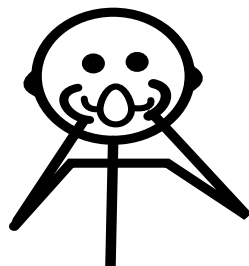


(Kids:) 11!

Put your hands around your mouth, as if you are shouting.

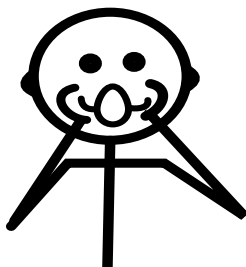
Optional: Show the correct amount of fingers.

(Caller:) Ten plus seven!



(Kids:) 17!

(Caller:) Ten plus nine!

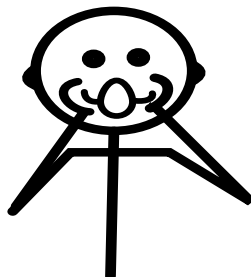


(Kids:) 19!

# Adding Numbers to Ten

(Continued)

(Caller:) Ten plus three.

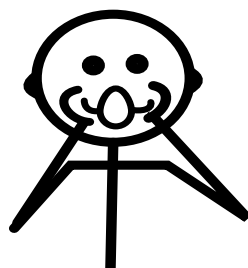


(Kids:) 13!

Put your hands around your mouth, as if you are shouting.

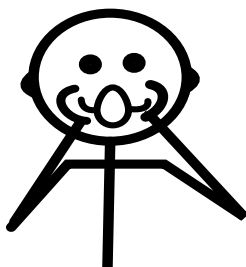
Optional: Show the correct amount of fingers.

(Caller:) Ten plus zero!



(Child:) Hey, you're tricking us! That's still ten!

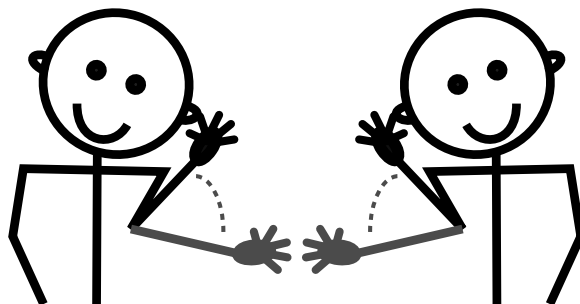
(Caller:) I couldn't trick you. Let's try one more: ten plus ten!



(Kids:) 20!

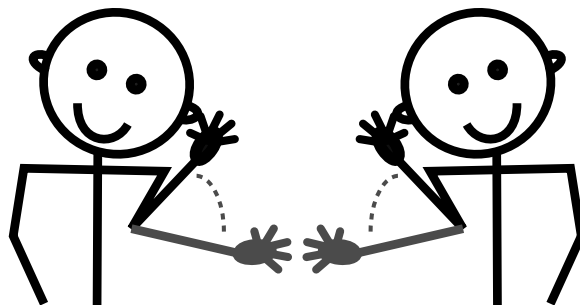
# So Many Ways to Solve a Problem

Walk around in a circle, waving hands around randomly.

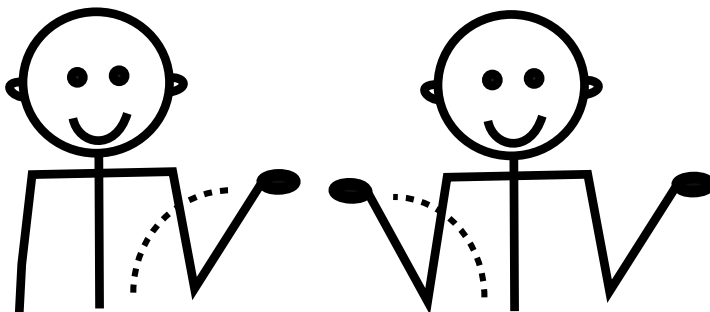


So many ways to solve a problem,

Walk around in a circle, waving hands around randomly.



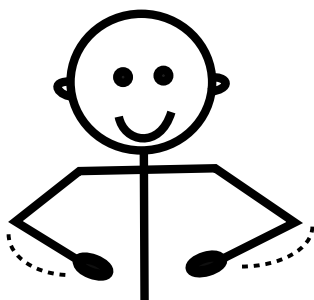
So many ways, so many ways!



Addition! Subtraction!

(Caller:) Think about it first!  
Are we putting things together?

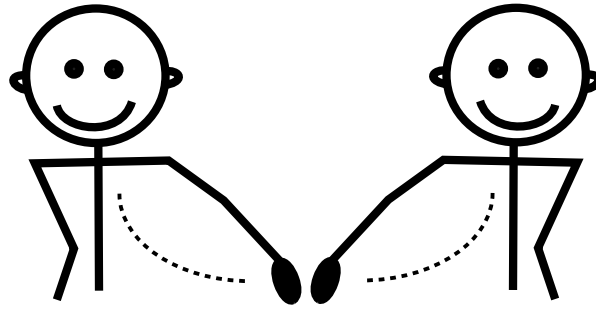
Pretend to be gathering things.



(Kids echo each time:) Putting things together?

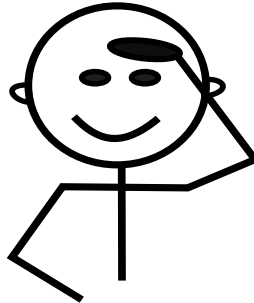
# So Many Ways to Solve a Problem

Pretend to grab things and take them away, putting them behind you.



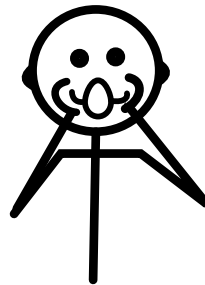
(Caller:) Or taking away? Or taking away?

Put your hands over your eyes because you are inspecting something.



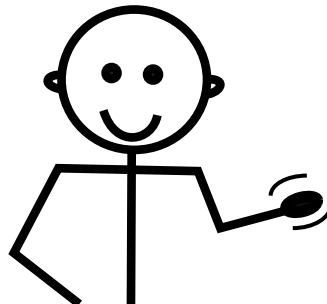
(Caller:) Check it, inspect it! Check it, inspect it.

Put your hands around your mouth as you SAY something.



(All:) And this is what we say. We can:

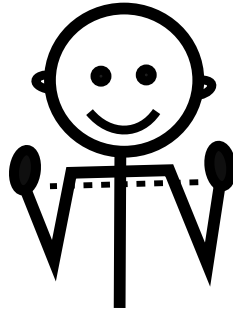
Pretend to draw.



(Caller:) Draw a little picture!  
Draw a little picture!

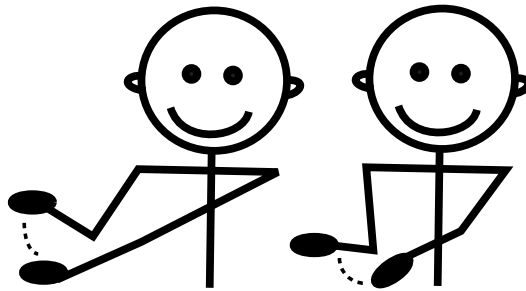
# So Many Ways to Solve a Problem

Pretend to hold up a number line.



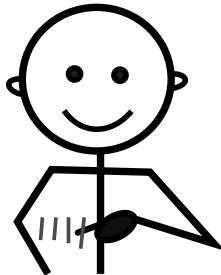
(Caller:) Use a number line! Use a number line!

Pretend to count things on a tens frame.



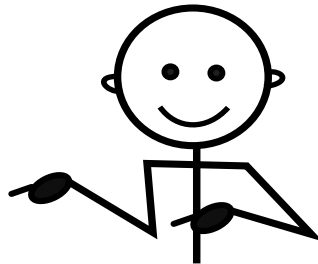
(Caller:) Count it on a tens frame!  
Count it on a tens frame!

Make tally marks in the air.



(Caller:) Tally marks are fine!  
Tally marks are fine!

Pretend to slide some counters around with your fingers.

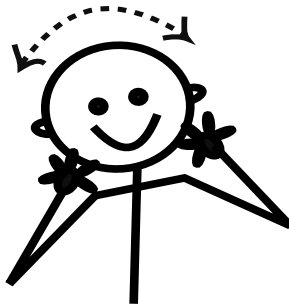


(Caller:) Use a bunch of counters!  
Use a bunch of counters!



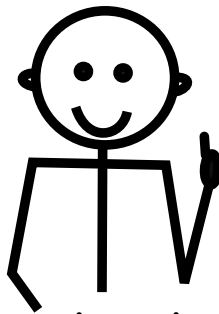
# So Many Ways to Solve a Problem

Put your hands  
around your face  
and bob back  
and forth as  
shown.



(Caller:) Act it out for fun! Act it out for fun!

Shake your finger  
in front of you.

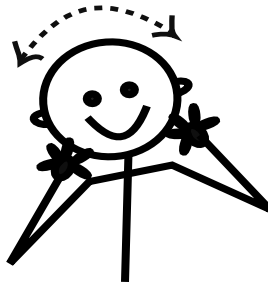


All: Double check your answer.  
Now you're done!

# Keywords for Addition

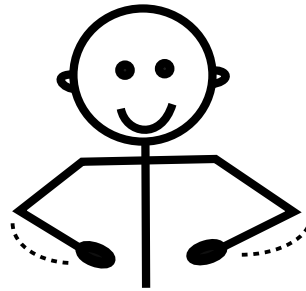
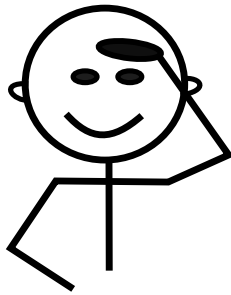
(Drill Sergeant:) Alright! These are keywords for addition. Listen up!

Bop your head back and forth in time to the music as shown.



Keywords for addition! Keywords for addition!

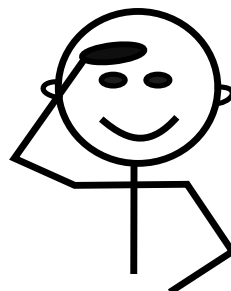
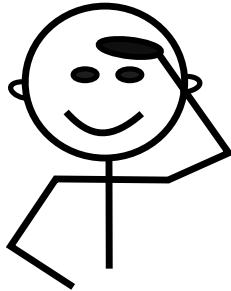
Put your hand over your eyes as you are watching for the words.



Pretend to be gathering things.

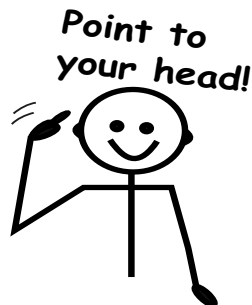
Whenever you see them, then you've got to add.

Put your hand over your eyes as you are watching for the words.



Watch for the words, watch for the words!

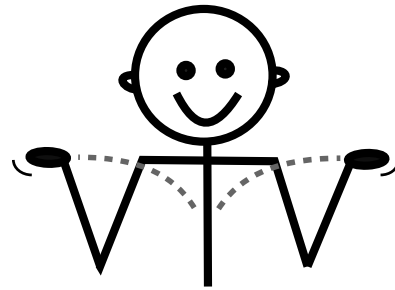
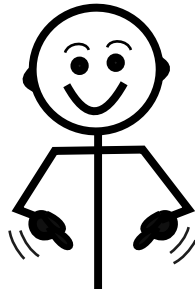
Point to your head as you are trying to memorize all of the words.



Here we go, got to memorize them all!

# Keywords for Addition

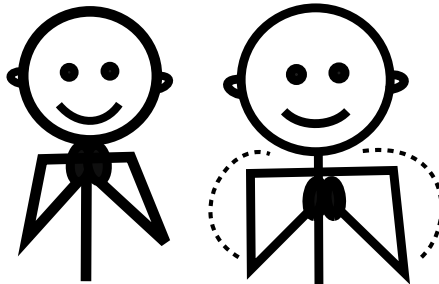
Point forward at two things on the word "both."



Put your hands out as shown on the words, "in all."

(Drill Sargeant:) Repeat: Both! Both! In all! In all!

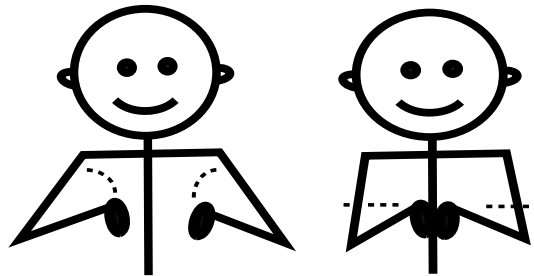
Clap your hands together on the word, "together."



Circle your hands ALL the way around and clap them together again on the word, "altogether."

(Drill Sargeant:) Together! Together!  
Altogether! Altogether!

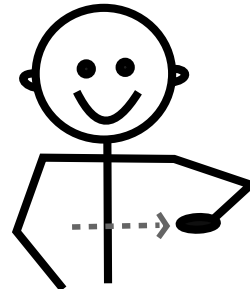
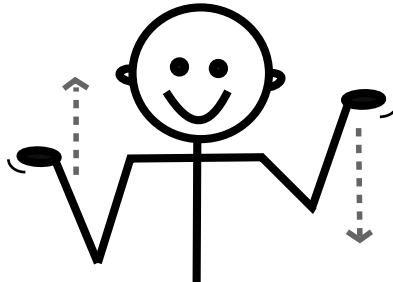
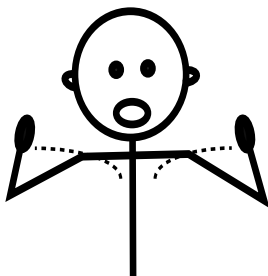
Flip your palms face-down on the word, "Sum."



Bring your hands together on the word, "total."

(Drill Sargeant:) Sum! Sum! Total! Total!

Show something really big on the word, "more." Then show two things that weigh the same on the word, "equal."



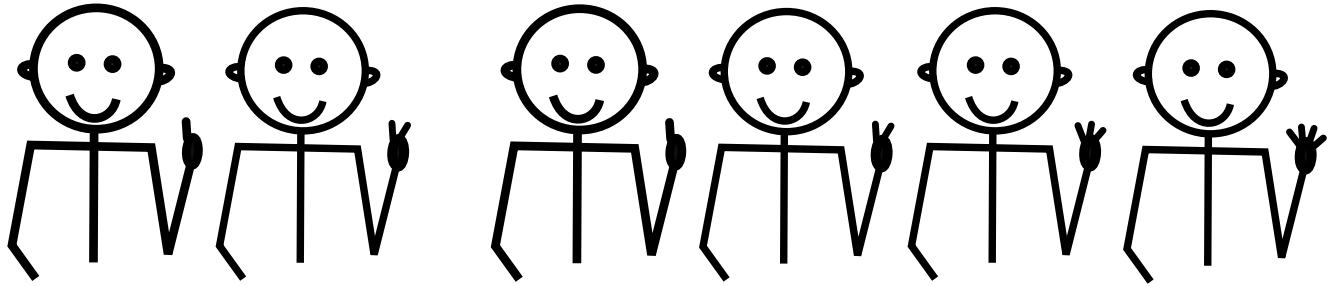
Do sign language for the word "and" on the word, "and." (Draw your hand over to the side.)

(Drill Sargeant:) More! More! Equal! Equal! And! And!

(Drill Sargeant:) Alright, that's pretty good. But you'd better do it again!

(Repeat from the beginning)

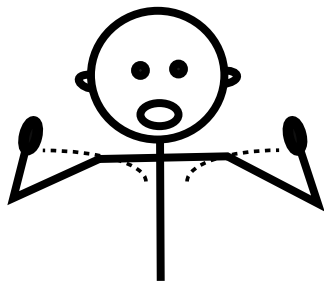
# Keywords for Subtraction



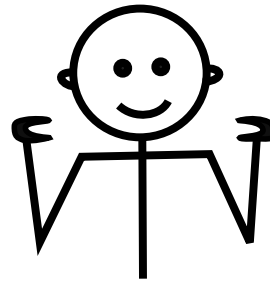
ONE! TWO!

ONE, TWO, THREE, FOUR!

Show something really big on the word, "more."

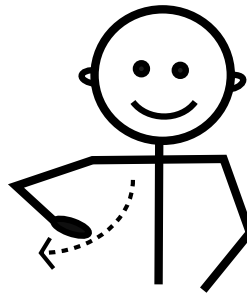
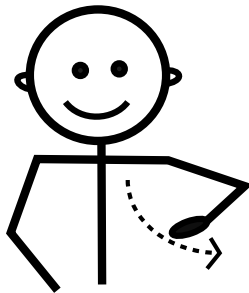


Show something really tiny on the word, "less."



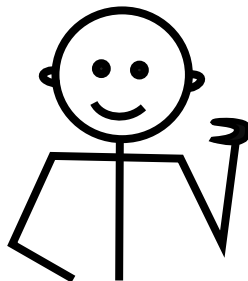
How many more than, how many less than?

Pretend to grab things and take them away, putting them behind you.

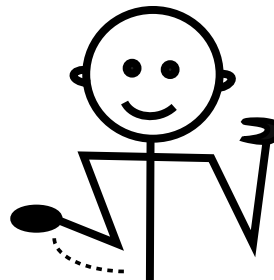


Means subtract! Means subtract!

Show something really tiny on the word, "less."



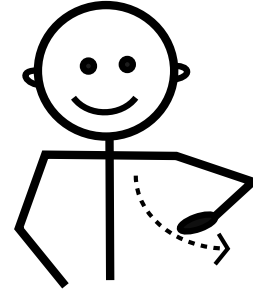
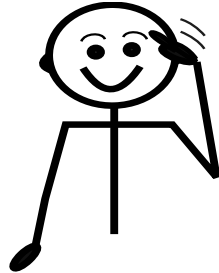
Show something really small in the palm of your hand on the word "less."



How many fewer, how many less?

# Keywords for Subtraction

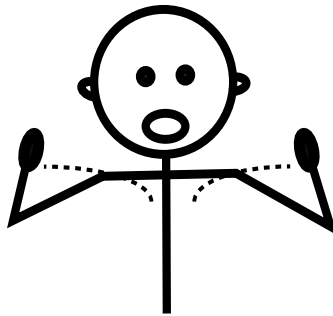
Scratch your head, as if you are thinking.



Pretend to grab things and take them away, putting them behind you.

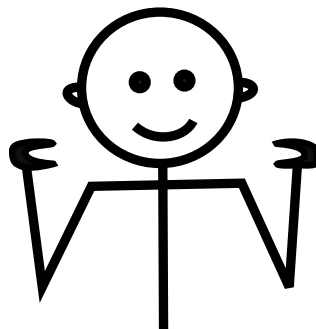
What's the difference? Means subtract!

Show something really big on the words, "greater" and "bigger."



(Rapper:) Take the greater number;  
that's the biggest one!

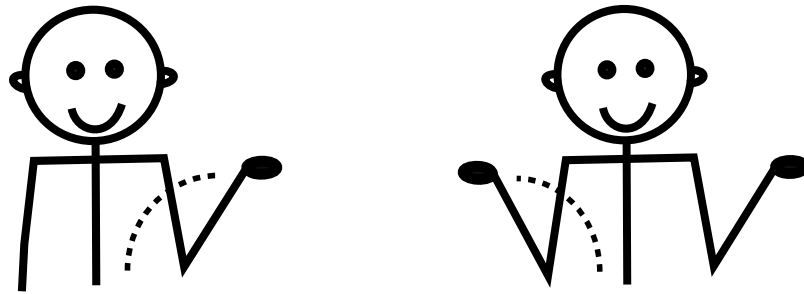
Show something really small on the words, "less-er" and "small-est."



Subtract the lesser number;  
That's the smallest one!

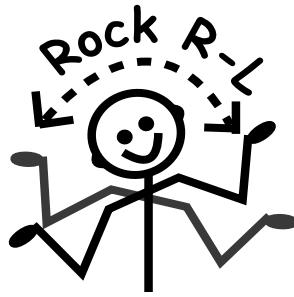
# Keywords for Subtraction

Put your hands out to the sides as shown, one at a time.



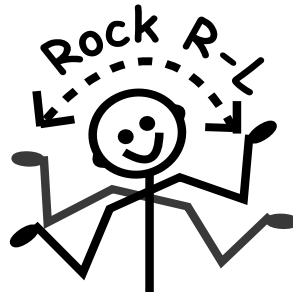
(Rapper:) Now you have the difference,  
Now you have the range!

With your hands out, rock back and forth right and left in time to the music.



It's more than, less than,

With your hands out, rock back and forth right and left in time to the music.



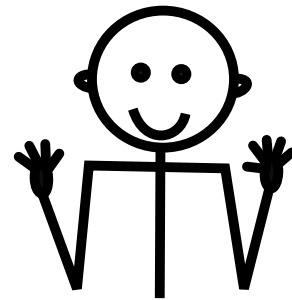
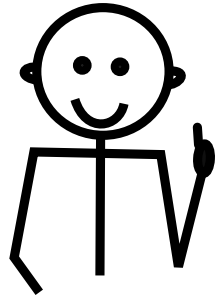
Fewer, less, and now subtract!

(All repeat from the beginning)

# Get on the Tens' Bus

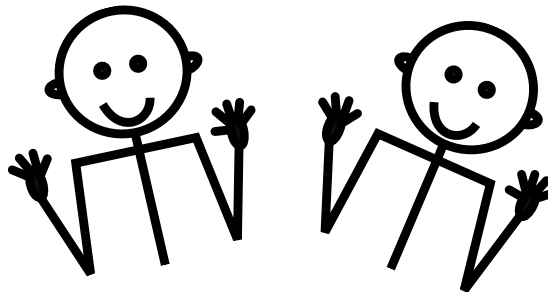
(Chorus)

Show one finger,  
and then nine  
fingers.

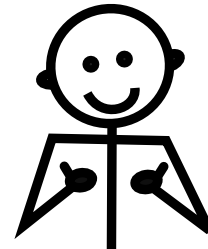


This is the Ones' Place, only room for nine!

Wave your hands  
with nine fingers  
showing back and  
forth in time to  
the music.



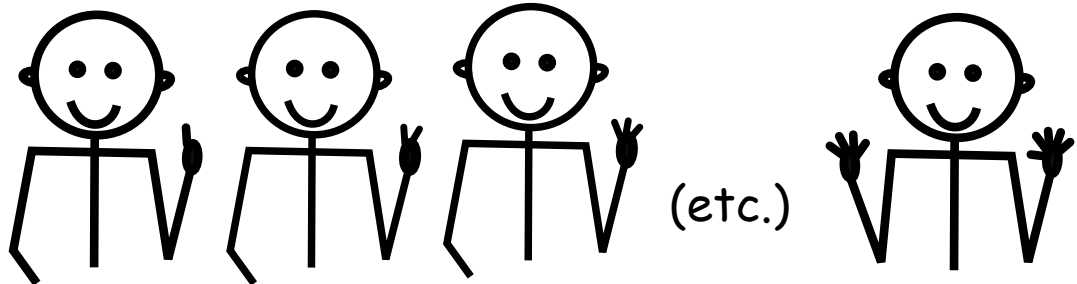
Thumbs up!



Put your thumbs  
up on the word,  
"fine." Then  
count with your  
fingers from one  
to nine.

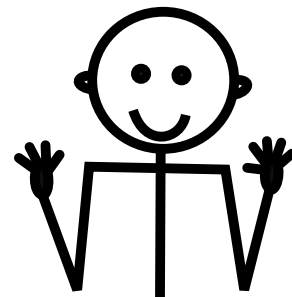
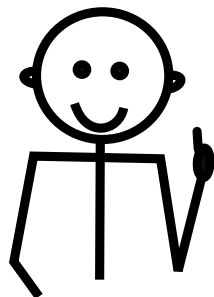
Nine or fewer, nine or less! This apartment's fine!

Count with your  
fingers from one  
to nine.



One, two, three, four, five, six, seven, eight, or nine!

Show one finger,  
and then nine  
fingers.



This is the Ones' Place, only room for nine!

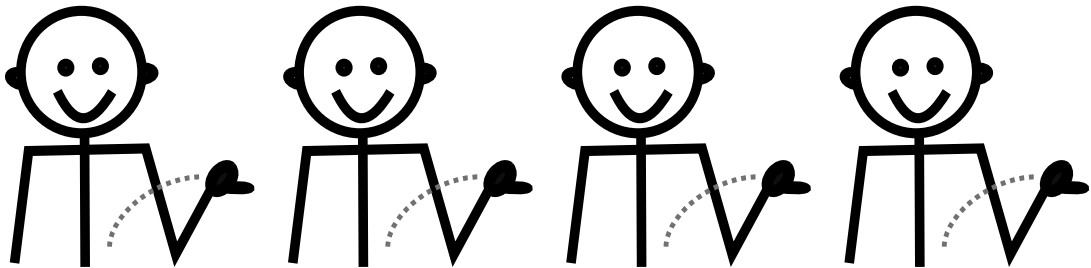
# Get on the Tens' Bus

(Apartment Manager:) Hey! This is the manager. How many people live here?

(Child:) Well, there were only nine of us, but then my mom had a baby. Nine plus one equals ten!

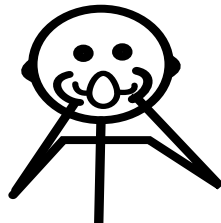
(Apartment Manager:) TEN? That's too many for the Ones' Place Apartments!  
You gotta move on out!

Swing your thumb to the right each time you say, "Move on out!" indicating that they have to leave.



Move on out! Move on out! Move on out! Move on out!

Put your hands around your mouth to help you SHOUT each time you say the rhyming name.



(Manager:) You gotta move on out! (All:) Scout!

(Manager:) Get on the Tens' Bus! (All:) Gus!

(Manager:) To the Tens' Place! (All:) Ace!

When you say, "Guinevere!" then wiggle your fingers!!



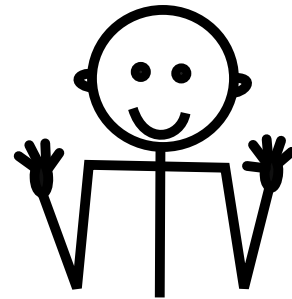
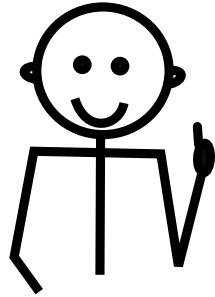
(Manager:) You can't live here! (All:) Guinevere!



# Get on the Tens' Bus

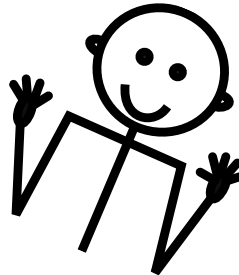
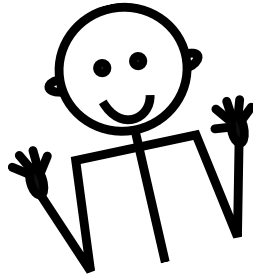
(Chorus)

Show one finger,  
and then nine  
fingers.

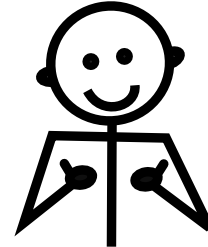


This is the Ones' Place, only room for nine!

Wave your hands  
with nine fingers  
showing back and  
forth in time to  
the music.



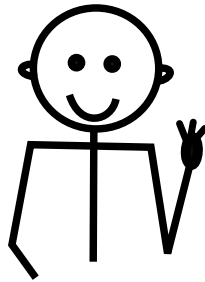
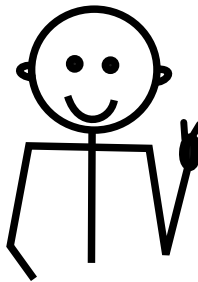
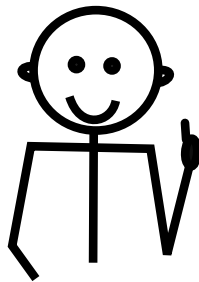
Thumbs up!



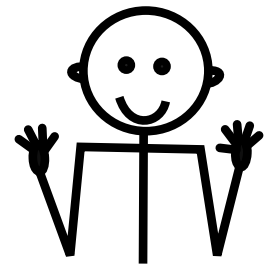
Put your thumbs  
up on the word,  
"fine." Then  
count with your  
fingers from one  
to nine.

Nine or fewer, nine or less! This apartment's fine!

Count with your  
fingers from one  
to nine.

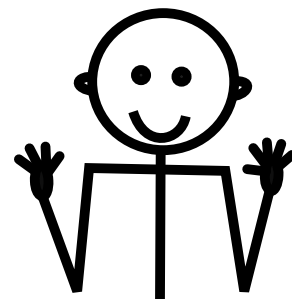
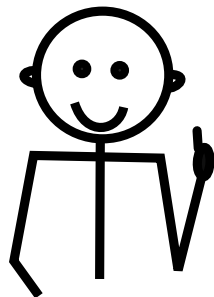


(etc.)



One, two, three, four, five, six, seven, eight, or nine!

Show one finger,  
and then nine  
fingers.



This is the Ones' Place, only room for nine!

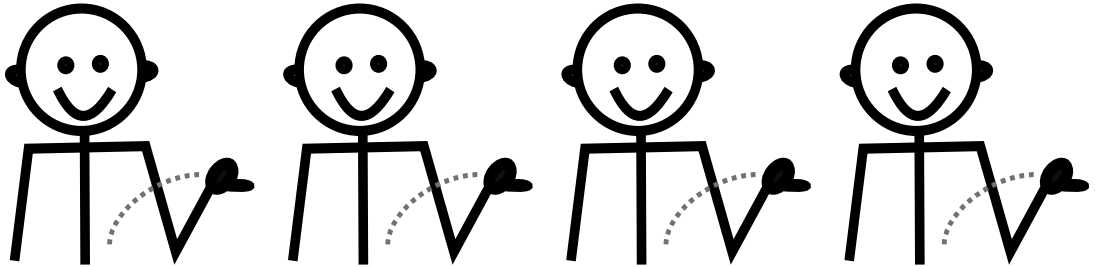
## Get on the Tens' Bus

(Apartment Manager:) Hey! This is the manager again.  
How many people live here now?

(Child:) Well, there were only eight of us, but then my  
uncle and aunt and two cousins moved in! Eight plus four  
equals 12!

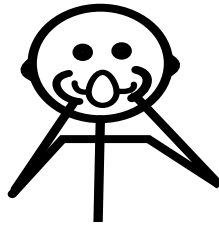
(Apartment Manager:) 12? That's too many for the Ones'  
Place Apartments! You gotta move on out!

Swing your  
thumb to the  
right each  
time you say,  
"Move on  
out!" indicat-  
ing that they  
have to leave.



Move on out! Move on out! Move on out! Move on out!

Put your hands  
around your mouth to  
help you SHOUT  
each time you say  
the rhyming name.



(Manager:) You gotta move on out! (All:) Scout!

(Manager:) Get on the Tens' Bus! (All:) Gus!

(Manager:) To the Tens' Place! (All:) Ace!

When you say,  
"Guinevere!" then  
wiggle your fingers!!



(Manager:) You can't live here! (All:) Guinevere!

(Repeat chorus)

# What is Place Value?

(Chorus)

Do the twist!

Do the twist!  
Twist down and  
then when you say,  
'the digits are  
worth!'

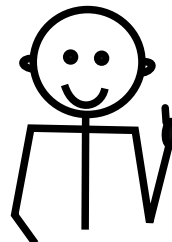
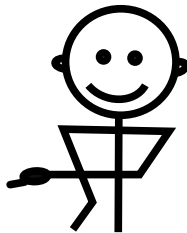


Twist down  
and up!



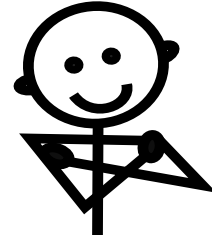
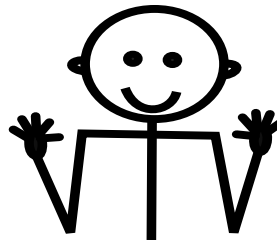
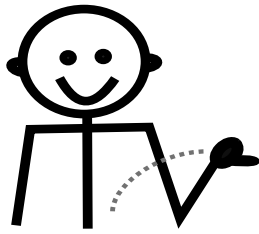
Place value tells you how much the digits are worth,  
Place value tells you how much the digits are worth,

Point to the right.  
Then show one finger  
when you say,  
"Ones' place."



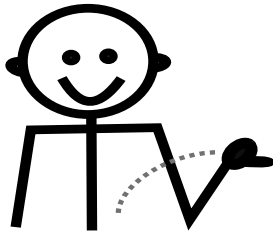
Start on the right, it's called the ones' place.

Point your thumb  
to the left. Then  
show ten fingers  
on the word, "Ten."  
Cross your arms on  
the word "place."

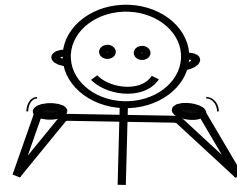


Move to the left, that's called the tens' place!

Point your thumb  
to the left. Then  
pat your shoulders  
when you say, "hun-  
dreds' place."

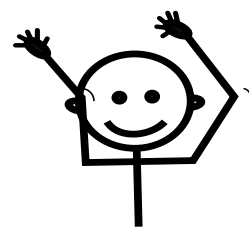
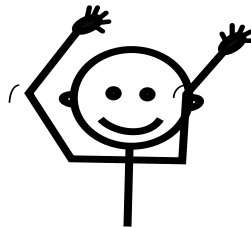
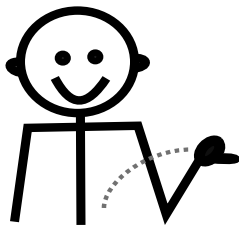


Pat your shoulders.



Slide left again, you're in the hundreds' place!

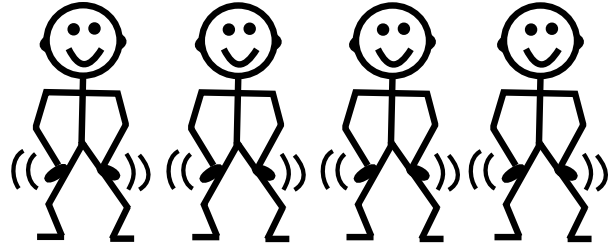
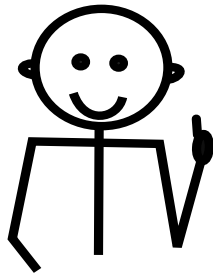
Point your thumb  
to the left. Then  
shake your hands  
over your head.



Hop left once more, now that's the thousands' place!

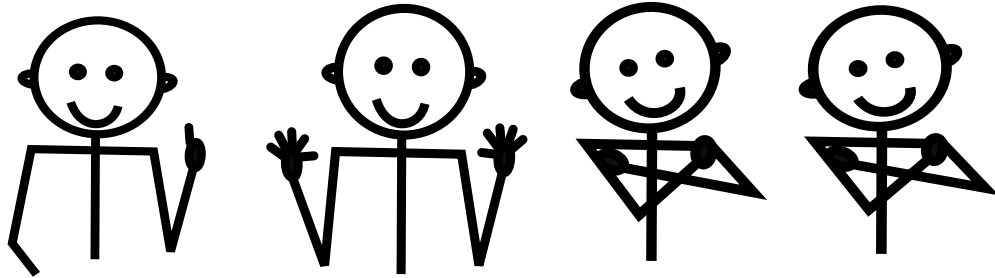
# What is Place Value?

Show one finger,  
then pat your legs  
on, "It's value is  
one!"



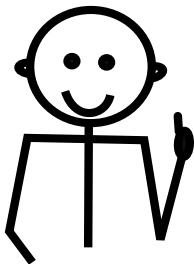
A one in the ones' place, it's value is one.

Show one finger,  
then ten, then  
cross your arms on,  
"it's value is ten!"

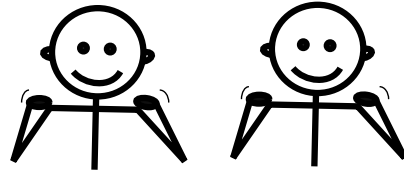
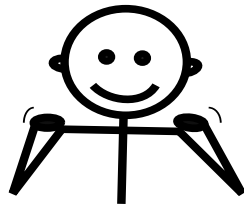


A one in the tens' place, it's value is ten!

Show one  
finger, then  
ten, then  
cross your  
arms on, "it's  
value is ten!"

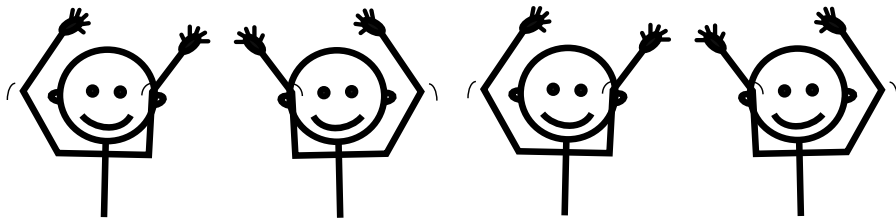
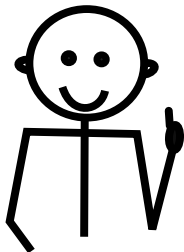


Pat your shoulders.



A one in the hundreds' place, it's value is 100!

Show one  
finger, then  
shake your  
hands over  
your head.

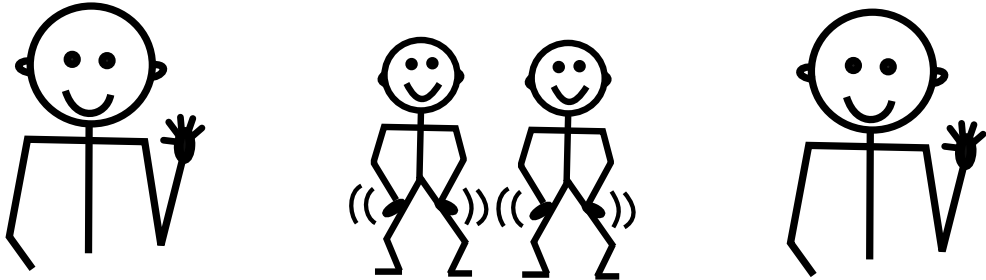


A one in the thousands' place, it's value is 1,000!

(Repeat chorus)

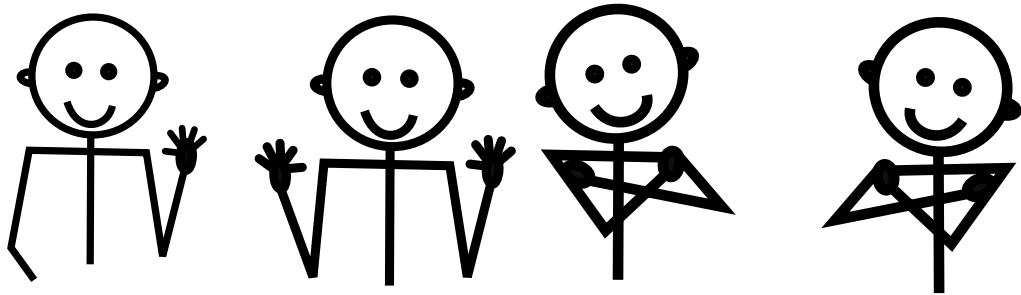
# What is Place Value?

Show five fingers,  
then pat your legs  
on, "It's value is."  
Then show five fingers  
again on the  
word, "five."



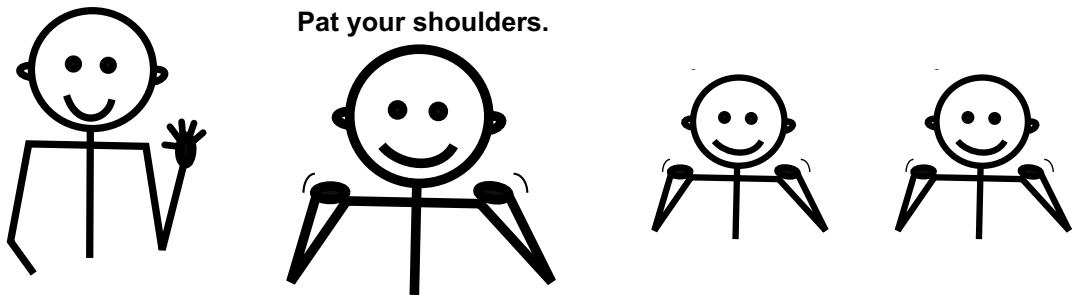
A five in the ones' place, it's value is five.

Show five fingers,  
then ten fingers.  
Then cross your  
arms on the word,  
"fifty."



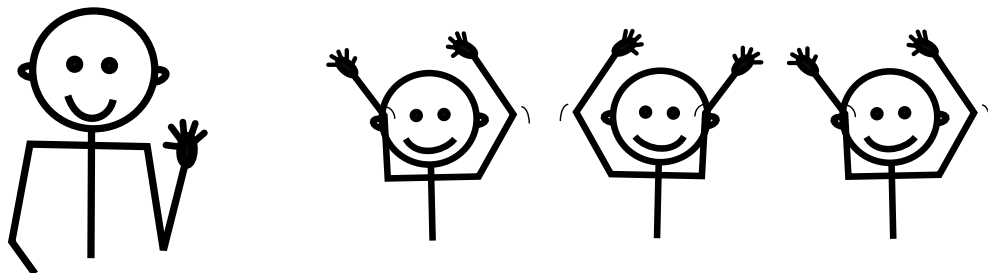
A five in the tens' place, it's value is 50!

Show five fingers,  
then pat your  
shoulders from the  
word hundreds on.



A five in the hundreds' place, it's value is 500!

Show five  
fingers, then  
shake your  
hands over  
your head.

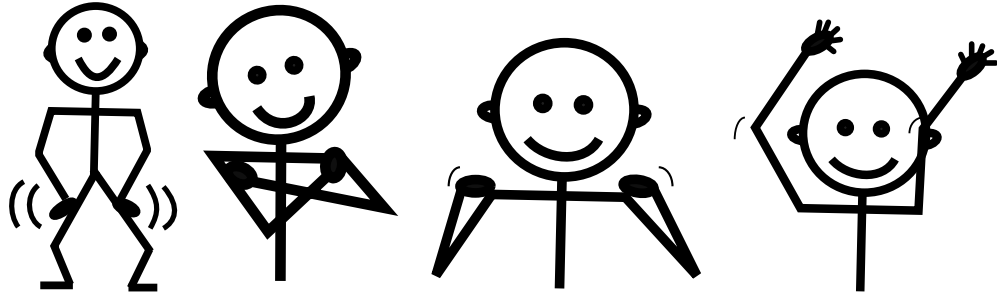


A five in the thousands' place, it's value is 5,000!

(Repeat chorus)

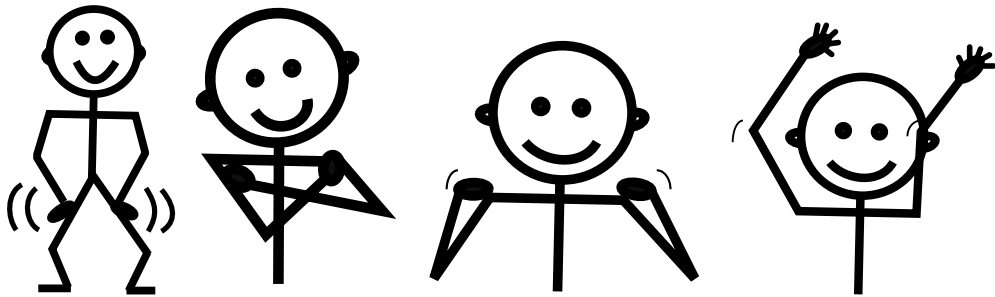
# What is Place Value?

Pat your legs on "ones."  
Cross your arms on  
"tens."  
Pat your shoulders on  
"hundreds."  
Shake your hands  
overhead on thousands.



Ones! Tens! Hundreds! Thousands!

Pat your legs on "ones."  
Cross your arms on  
"tens."  
Pat your shoulders on  
"hundreds."  
Shake your hands  
overhead on thousands.



Ones! Tens! Hundreds! Thousands!