

# **MATHEMATICS 1 – Unit 1**

## **The videos are embedded in the lessons.**

If you press ctrl on the lower left of your keyboard and at the same time left click on your mouse, the videos should start. Thank you.

## **Lesson 1 – Introduction to Numbers**

This is a counting song: 1 to 10 and 10 to 1

[https://www.youtube.com/watch?v=DR-cfDsHCGA&list=RDQMjmwXG-8-Bw0&start\\_radio=1](https://www.youtube.com/watch?v=DR-cfDsHCGA&list=RDQMjmwXG-8-Bw0&start_radio=1)

Then, we will count on our hands, using our fingers. Get ready for our FINGER GYM – Video One. PARTICIPATE WITH ME!

<https://www.youtube.com/watch?v=xU9tmByiXLE>

Watch this counting video to end the lesson.

<https://www.youtube.com/watch?v=fHqjNHxmB7c&list=RDQMjmwXG-8-Bw0&index=2>

Homework Assignment: Practice counting 1 to 10 and 10 to 1.

## **Lesson 2 – Learning 1 & 2 – Quantity, Numeral, Writing**

1 – Review Counting 1 to 10. Sing & Dance Along!

<https://www.youtube.com/watch?v=qn1FAeJxHh8>

2 – FINGER GYM – VIDEO TWO – Ways of Making One and Two.

[https://www.youtube.com/watch?v=\\_9B9Te-SFqs](https://www.youtube.com/watch?v=_9B9Te-SFqs)

3 – Quantity Hunt: 1 & 2 – Who Wins?

How to Play “Quantity Hunt” -

- Look for things you have ONE of or there are ONE of around the house. Ask Mom or Dad, or Big Sis or Big Bro, or Grandma or Grandpa or anyone else available in your home to help you count-up the One Things of yours or in your house.

- Look for things you have TWO of or there are TWO of around the house. Again, ask Mom or Dad, or Big Sis or Big Bro, or Grandma or Grandpa or anyone else available in your home to help you count-up the TWO Things of yours or in your house.

Examples of ONES:

- Heart, mouth, bellybutton, face, head, stomach, etc.
- Maybe a recliner or a couch or a refrigerator or a stove or a crib.

Examples of TWOS:

- Ears, ears, hands, feet, arms, legs, cheeks, knees, etc.
- Maybe cars, beds, bunks, bathrooms, refrigerators, computers, etc.

The number with the most things – The ONES or the TWOS wins! You could even divide up into the ONES team and the TWOS team and see who can count the most one things or the most two things. Be creative.

The idea behind the game is that the child understands the QUANTITY of ONE, and the QUANTITY of TWO. So, if you do divide up into teams, be sure the student knows what the other team used to count items for their side.

- Lastly, have the child bring out his or her composition book for math and copy and practice writing the numerals 1 & 2.
  - See Unit One Adjuncts for the Writing the Number Sample Page.
  - Use two spaces, 3 lines to make the numbers. YOU put in small dashed or dots to help the child print by following your dashes or dots. Then, have him or her write the numeral on his or her own.
  - For each number, practice should consist of one line of dots or dashes and one line of freehand writing by the child – working on his own to write each number.

### **Lesson 3 – Learn 3 and 4 – Quantity, Numeral, Writing**

1 – Review Counting. See the video below.

<https://www.youtube.com/watch?v=Q-ORH9MbVto>

2 – Finger Math 3 - Making 3's and 4's

<https://www.youtube.com/watch?v=amXbLR0A9lg>

3 – Using 'Writing the Number' sample page repeat the method in Lesson 2 to write 3's and 4's in your composition book.

- 4 – Go around your home and count 3 of ten different things.  
For example: 3 spoons, 3 cups, 3 bottles, 3 washcloths, 3 books, 3 toys, etc.
- 5 – Go round your home and count 4 of ten different things.  
For example: 4 pencils, 4 books, 4 rubber bands, 4 windows, 4 rooms, etc.

#### **Lesson 4 – Learn 5 & 6 – Quantity, Numeral, and Writing**

- 1 - Watch and count along with the video below.

<https://www.youtube.com/watch?v=HkkYaj0m6cg>

- 2 – Finger Math 4

<https://youtu.be/SB358TxHtis>

- 3 – Practice writing 5's and 6's

- 4 – Do some exercises counting to 5 – like jumping rope, rebounding, skipping, jumping up and down, running in place, jumping jacks, etc.

- 5 – Draw and color 6 of each of the following: flowers, suns, beachballs.

#### **Lesson 5 – Learn 7 & 8 – Quantity, Numeral, and Writing**

- 1 – Watch and count along with the video below.

<https://www.youtube.com/watch?v=85M1yxIcHpw>

- 2 – Finger Math 5

<https://youtu.be/u1INprSTf3I>

- 3 – Practice writing 7's & 8's

- 4 - Make a picture of 7 different things.

- 5 – Name your 8 favorite foods. Make-up a song about your 8 favorite foods, Singing: "My 1<sup>st</sup> favorite food is \_\_\_\_\_, my 2<sup>nd</sup> favorite food is \_\_\_\_\_ and so forth through your 8<sup>th</sup> most favorite food!"

## Lesson 6 – Learn 9 & 10 – Quantity, Numeral, and Writing

1 – Review Counting – See the video Below.

<https://www.youtube.com/watch?v=ea5-SIe5I7M>

2 - Finger Math 6

<https://youtu.be/WeD-HAh4t9Q>

Within this video, the student learns the Commutative Law of Addition.

There is also a hint as to how to increase strength in the hands using half or quarter sheets of newspaper.

3 – Practice writing 9’s and 10’s

4 - Go on a scavenger hunt. (Parent: Make this up before hand.)

Give 10 clues, one pertaining to each number and write a riddle concerning it. Then, hide one to ten things. When the student can find and count each number of things correctly, he wins the Numbers Scavenger Hunt.

**When you have mastered these lessons,** being able to

- write the numbers and
- display any number in many different combinations with your fingers,

Go on to Math 1 Unit 2.