

# Sing-along Songs: Math

Grade Level: K - 2

Content Areas: Music, Art, Math, Technology, and Language Arts

Time Frame: 40 minutes

## MATERIALS

*Sing-along Songs: Math* Books

Sidewalk Chalk or Large Piece of Paper

One Bean Bag Per Group

Two Dice Per Group

Permanent markers

## OBJECTIVES

Students will:

- Identify sums and differences
- Count to 12

## VOCABULARY:

### Key vocabulary

Before reading, focus on vocabulary. Read the glossary words and their definitions.

**Addition** - Addition is finding the total, or sum, by combining two or more numbers.

**Subtraction** - Taking one number away from another.

**Number Line** - A line with numbers placed in their correct position.

## FREE SONG

[Click here](#) to download or stream the Sing-along Songs: Math songs.

Find other Cantata Learning songs and books at <http://www.cantatalearning.com>.



## PROCEDURES/ACTIVITIES

### Preparation:

Set up a hopscotch board inside by using a large piece of paper or outside using chalk for each group of students. There should be twelve squares. Do not place the numbers inside the square yet.

Begin the lesson by asking your students what a number line is. Ask students to count to twelve with you.

### Lesson Procedure:

1. Read and sing the *Sing-along Songs: Math* series to students for them to gain a better understanding of counting, subtraction and addition.
2. Ask students a couple equations after reading the books to insure their understanding.
3. Have students get into groups of five and assign each group to a hopscotch board.
4. Tell students that their first task is to fill in the hopscotch board with numbers. Tell students they must start with 1 and go all the way to 12. Give assistance as it is needed.
5. Have students line up single file and stand in front of a board.
6. Tell students that the first student in line is the roller. The roller will roll the dice for each player still in line.
7. Once each student in a group has had a turn, have the next student swap positions with the roller.
8. The first person assigned as the roller will now become a player.
9. Tell students that the player must toss the bean bag on one of the squares.
10. When the roller rolls the dice, direct the player to make an equation for the number the bean bag landed on and the number the dice landed on.
11. Have the player hop to the answer of the problem, counting as they go.
12. For example, if the bean bag lands on the 6 square and the dice lands on the 3, the player will give the equation  $6 + 3 = 9$  and then count as she hops to 9.
13. Have students play a couple rounds of this game with adding and then have students play a couple rounds with subtracting.

### **Art/Language Arts Extension:**

Students love creating their very own stories and books. This math series is perfect inspiration for a book in which they have to use concepts of counting, addition and subtraction to create a story of their own. As a collaborative project, the teacher, librarian and art teacher could work on this project together.

You can use the Cantata Learning Sing-along Songs: Math series by reading them to the students again and having them available as an eBook and the stories/songs from the Cantata Learning website too. A few ideas.... they could make a book counting 1 to 10 or a book that includes five addition or subtraction facts. The books can be created with paper and drawing materials, even things added to pages such as fabric, feathers, tissue paper, recycled book pages and more to make their creation unique.

### **Technology Extension:**

As a technology extension to the book project above, have students create a counting book taking photographs with an iPad of things found around them in school or outside. For example, 1 book, 2 pencils, 3 balls, 4 students, etc... Then using the [Haiku Deck](#) app, they can create a digital story with the photos they have taken and adding their own words to each slide.

### **PE Extension:**

The lesson with the hopscotch board would be a wonderful addition to a PE class as it focuses on game and movement.

### **YouTube Music Videos for Sing-along Songs: Math:**

[Johnny Works with One Hammer](#)

[The Ants Go Marching](#)

[Three Blue Pigeons](#)

[Way Up High in the Apple Tree](#)

### **Standards:**

Kindergarten: CCSS.MATH.CONTENT.K.OA.A.1, CCSS.MATH.CONTENT.K.OA.A.2, CCSS.ELA-LITERACY.SL.K.1, CCSS.ELA-LITERACY.SL.K.6, CCSS.ELA-LITERACY.L.K.1

First Grade: CCSS.MATH.CONTENT.1.OA.A.1, CCSS.ELA-LITERACY.SL.1.1, CCSS.ELA-LITERACY.SL.1.6, CCSS.ELA-LITERACY.L.1.1

Second Grade: CCSS.MATH.CONTENT.2.OA.A.1, CCSS.MATH.CONTENT.2.OA.B.2, CCSS.ELA-LITERACY.SL.2.1, CCSS.ELA-LITERACY.SL.2.6, CCSS.ELA-LITERACY.L.2.1

