SING A SUM

INTRODUCTION

This album was created to be a happy and positive introduction to addition and subtraction. Students can have fun with it while benefiting from the constant repetition that is necessary to learn math facts. Encourage your class to sway to the music, clap, play a kazoo, a tambourine, or any simple instrument that is accessible.

Several of the songs have choruses that reinforce math concepts. After the students are familiar with the songs, take time to discuss these choruses:

1 Plus Song — Take time to speak about the chorus and what it means. Use the blackboard to show students how the addends can be reversed and the sum will remain the same. Put up an example, then the same example with the addends reversed. By discussing the concept and using the songs to reinforce it, students will quickly understand that addends can be reversed and the sum will be the same.

2 Plus Song — The chorus of this song again brings up the fact that addends can be reversed and the sum will remain the same. Continue the discussion of this concept.

6 Plus Song — The words addend and sum are used. Write the example $6 + 1 = 7$ on the blackboard. Ask which numerals are the addends and which numeral is the sum.

7 Plus Song — Write these 2 examples on the blackboard, $7 + 4 = 11$, $7 + 3 = 10$. Ask which example has the greater sum. This chorus can lead to a discussion of the concepts of greater than and less than.

8 Plus Song — Write a 2 digit number on the blackboard. Discuss the placement of the numerals.

9 Plus Song — Often children find it easy to add any number to 10. However, adding to 9 presents a problem. This song tells them a "trick" to get the answer when adding to 9. On the blackboard, show them how 9 plus any number has the same answer as 10 plus the same number, minus 1.

$$
\begin{array}{cc}
9 & 10 \\
+4 & +4 \\
13 & 14 \\
 & -1 \\
 & 13 \\
\end{array}
$$

10 Minus Song — Write a subtraction example on the blackboard, for example, $10 - 3 = 7$. Ask the class, "When we subtract what do we do?" (Answer, "Take the smaller from the larger.") "The answer, which is called the remainder, is which numeral?" (Answer, "The number that remains — the 7.")

11 Minus Song — Write 11 and $11 - 5 = 6$.

$$
\begin{array}{c}
11 \\
-5 \\
6 \\
\end{array}
$$

Ask how these examples are different. (Answer, "In the first one the numerals go up and down, in the second one the numerals are side by side.") Ask how these examples are the same. (Answer, "The numerals and answer are the same.")

12 Minus Song — Write a subtraction example on the blackboard, for example, $12 - 7 = 5$. Discuss the fact that the answer is less than the number they are taking away from. Discuss the concepts of less than and greater than.

Each song has a quiz incorporated into it. However, it is up to the teacher as to how to use it.

This album is not intended to create any pressure on the students but rather to be a fun supplement to the daily math routine. We hope you and your students have a good time with it!

CLASSROOM ACTIVITIES

Belle Goldman, 1st Grade Teacher, Baldwin Public Schools, Baldwin, N.Y., suggests these games:

1. PARTNER GAME —

Have the students paired off into partners. As they sing along, have one child use her/his fingers (or sticks, etc.) to indicate the first addend and the partner hold up the number of fingers indicating the second addend. For the answer, have each child hold up the correct number of fingers. If the answer is more than ten, have both children form the answer together.

2. CARD GAME —

Make up large cards with the numerals:

1*,1*,2,3,4,5,6,7,8,9 for the "1 Plus Song"

1*,2*,2*,3,4,5,6,7,8,9,10 for the "2 Plus Song"

1*,2*,3*,3*,4,5,6,7,8,9,10,11 for the "3 Plus Song"

1*,2*,3*,4*,4*,5,6,7,8,9,10,11,12 for the "4 Plus Song"

1*,2*,3*,4*,5*,5*,6,7,8,9,10,11,12,13 for the "5 Plus Song"

1*,1,2,3,4,5,6,7,8,9* for the "9 Minus Song"

1*, 2*, 3*, 4*, 5* 6*, 6*, 7, 8, 9, 10, 11, 12, 13, 14 for the "6 Plus Song"

1*, 2*, 3*, 4*, 5* 6*, 7*, 7*, 8, 9, 10, 11, 12, 13, 14, 15 for the "7 Plus Song"

1*, 2*, 3*, 4*, 5*, 6*, 7*, 8*, 8*, 9, 10, 11, 12, 13, 14, 15, 16 for the "8 Plus Song"

1*, 2*, 3*, 4*, 5*, 6*, 7*, 8*, 9*, 10, 11, 12, 13, 14, 15, 16, 17 for the "9 Plus Song"

1*, 2*, 3*, 4*, 5*, 6*, 7*, 8*, 10*, 11, 12, 13, 14, 15, 16, 17, 18 for the "10 Plus Song"

1*, 2, 3, 4, 5, 5*, 6, 7, 8, 9, 10* for the "10 Minus Song"

1*, 2*, 3, 4, 5, 6, 7, 8, 9, 10, 11* for the "11 Minus Song"

1*, 2*, 3*, 4, 5, 6, 6*, 7, 8, 9, 10 11, 12* for the "12 Minus Song"

1*, 2*, 3*, 4*, 5, 6, 7, 8, 9, 10, 11, 12, 13* for the "13 Minus Song"

1*, 2*, 3*, 4*, 5*, 6, 7, 8, 9, 10, 11, 12, 13, 14* for the "14 Minus Song"

Also make up a + * card, a - * card, and an =* card. Give one card to each student. As the children listen to the songs have them make the appropriate equation. This may involve the teacher turning off the recording in order to give the participants time to arrange themselves.

Partner Variation — Make up small cards with the same numerals as listed above. Pair off the children, giving each her/his own set of cards. Have each child make the whole equation. Allow them to turn the recording on and off as necessary. Have the partners check each other's equation.

*These cards are not used for Card Games II which follows.

3. CARD GAME II —

Use the same cards made up for Card Game I, omitting those with an asterisk(*). One card is given to each student (if there are more students than answer numeral cards, make duplicates). While singing along with the song, the student(s) with the correct answer card will hold it up. It may be helpful if, at first, the teacher also has a set of cards and holds up the correct answer card. Later you may want to play "Beat the Answer" by having children try to hold up the correct answer card, or call out the correct answer before the answer is sung.

4. FLASH CARD ACTIVITY —

Use a set of flash cards or write the examples on the blackboard, and point to the example that is being sung so that the children can visualize the numerals as well as know them orally.

5. RANDOM QUIZ ACTIVITIES—

Make up cards with the answers:

11, 12, 13, 14, 15, 17 for the "Random Addition Quiz"

3, 4, 5, 6, 7, 8, 9 for the "Random Subtraction Quiz"

Make up extra answer cards so that each student has one.

While listening to the quiz the student(s) with the correct answer card should hold it up.

These activities will build up the children's confidence in their math ability. Finally, the teacher might have the students write the answers to the quiz.

NOTE TO TEACHER — These ideas are just suggestions. We encourage you to make up your own activities to fit your needs and environment.

1 PLUS SONG

1 plus 1 is 2, 1 plus 1 is 2,
1 plus 2 is 3, 2 plus 1 is 3.
1 plus 3 is 4, 3 plus 1 is 4,
1 plus 4 is 5, 4 plus 1 is 5.

CHORUS:
Front to back, or back to front,
You can make all the numbers a game.
So if someone tries to clown you
And turns them around on you,
They still add up the same!

1 plus 5 is 6, 5 plus 1 is 6,
1 plus 6 is 7, 6 plus 1 is 7.
1 plus 7 is 8, 7 plus 1 is 8,
1 plus 8 is 9, 8 plus 1 is 9.

REPEAT FROM BEGINNING.

1 plus 1 is _____, 1 plus 1 is _____,
1 plus 2 is _____, 2 plus 1 is _____,
1 plus 3 is _____, 3 plus 1 is _____,
1 plus 4 is _____, 4 plus 1 is _____,
1 plus 5 is _____, 5 plus 1 is _____,
1 plus 6 is _____, 6 plus 1 is _____,
1 plus 7 is _____, 7 plus 1 is _____,
1 plus 8 is _____, 8 plus 1 is _____,

2 PLUS SONG

2 plus 1 is 3, 1 plus 2 is 3,
2 plus 2 is 4, 2 plus 2 is also 4.
2 plus 3 is 5, 3 plus 2 is 5,
2 plus 4 is 6, 4 plus 2 is 6.
2 plus 5 is 7, 5 plus 2 is 7,
2 plus 6 is 8, 6 plus 2 is also 8.
2 plus 7 is 9, 7 plus 2 is 9,
2 plus 8 is 10, 8 plus 2 is10.

CHORUS:
Now we've done the twos,
Added all the way to ten.
Remember if the numbers get turned around,
The answer's the same again!

REPEAT FROM BEGINNING.

2 plus 1 is _____, 1 plus 2 is _____,
2 plus 2 is _____, 2 plus 2 is _____.
2 plus 3 is _____, 3 plus 2 is _____,
2 plus 4 is _____, 4 plus 2 is _____.
2 plus 5 is _____, 5 plus 2 is _____,
2 plus 6 is _____, 6 plus 2 is _____.
2 plus 7 is _____, 7 plus 2 is _____,
2 plus 8 is _____, 8 plus 2 is _____.

3 PLUS SONG

3 plus 1 is 4, 1 plus 3 is 4,
3 plus 2 is 5, 2 plus 3 is 5,
3 plus 3 is 6, 3 plus 3 is 6,
3 plus 4 is 7, 4 plus 3 is 7,
3 plus 5 is 8, 5 plus 3 is 8,
3 plus 6 is 9, 6 plus 3 is 9,
3 plus 7 is 10, 7 plus 3 is 10,
3 plus 8 is 11, 8 plus 3 is 11.

CHORUS:
Now that we've done to 8 plus 3
It's easy to add if you'll follow me.
If you can count from 1 to 10,
Just use what you know and we'll start again!

REPEAT FROM BEGINNING.

3 plus 1 is _____, 1 plus 3 is _____,
3 plus 2 is _____, 2 plus 3 is _____,
3 plus 3 is _____, 3 plus 3 is _____,
3 plus 4 is _____, 4 plus 3 is _____,
3 plus 5 is _____, 5 plus 3 is _____,
3 plus 6 is _____, 6 plus 3 is _____,
3 plus 7 is _____, 7 plus 3 is _____,
3 plus 8 is _____, 8 plus 3 is _____,

4 PLUS SONG

4 plus 1 is 5, 1 plus 4 is 5,
4 plus 2 is 6, 2 plus 4 is 6,
4 plus 3 is 7, 3 plus 4 is 7,
4 plus 4 is 8, 4 plus 4 is 8,
4 plus 5 is 9, 5 plus 4 is 9,
4 plus 6 is 10, 6 plus 4 is 10,
4 plus 7 is 11, 7 plus 4 is 11,
4 plus 8 is 12, 8 plus 4 is 12.

CHORUS:
Do you know what adding is all about?
Let's take two numbers and figure them out!

REPEAT FROM BEGINNING.

4 plus 1 is _____, 1 plus 4 is _____,
4 plus 2 is _____, 2 plus 4 is _____,
4 plus 3 is _____, 3 plus 4 is _____,
4 plus 4 is _____, 4 plus 4 is _____,
4 plus 5 is _____, 5 plus 4 is _____,
4 plus 6 is _____, 6 plus 4 is _____,
4 plus 7 is _____, 7 plus 4 is _____,
4 plus 8 is _____, 8 plus 4 is _____,

5 PLUS SONG

5 plus 1 is 6, 1 plus 5 is 6,
5 plus 2 is 7, 2 plus 5 is 7.
5 plus 3 is 8, 3 plus 5 is 8,
5 plus 4 is 9, 4 plus 5 is 9.
5 plus 5 is 10, 5 plus 5 is 10,
5 plus 6 is 11, 6 plus 5 is 11.
5 plus 7 is 12, 7 plus 5 is 12,
5 plus 8 is 13, 8 plus 5 is 13.

REPEAT FROM BEGINNING.

5 plus 1 is _____, 1 plus 5 is _____,
5 plus 2 is _____, 2 plus 5 is _____.
5 plus 3 is _____, 3 plus 5 is _____,
5 plus 4 is _____, 4 plus 5 is _____.
5 plus 5 is _____, 5 plus 5 is _____,
5 plus 6 is _____, 6 plus 5 is _____.
5 plus 7 is _____, 7 plus 5 is _____,
5 plus 8 is _____, 8 plus 5 is _____.

9 MINUS SONG

9 minus 1 is 8, 8 minus 1 is 7,
7 minus 1 is 6, 6 minus 1 is 5.
5 minus 1 is 4, 4 minus 1 is 3,
3 minus 1 is 2, 2 minus 1 is 1.

CHORUS:
When the sign changes from add to take away,
Don't you get confused just do what it says.
Take the second number away from the first,
Then you'll get the answer,
It's as easy as play.

REPEAT FROM BEGINNING.

9 minus 1 is _____, 8 minus 1 is _____,
7 minus 1 is _____, 6 minus 1 is _____.
5 minus 1 is _____, 4 minus 1 is _____,
3 minus 1 is _____, 2 minus 1 is _____.

Also make up a +* card, a -* card, and an =* card. Give one card to each student. As the children listen to the songs have them make the appropriate equation. This may involve the teacher turning off the recording in order to give the participant time to arrange themselves.

Partner Variation—Make up small cards with the same numerals as listed above. Pair off the children, giving each her/his own set of cards. Have each child make the whole equation. Allow them to turn the recording on and off as necessary. Have the partners check each other's equation.

6 PLUS SONG

6 plus 1 is 7, 6 plus 2 is 8,
6 plus 3 is 9, 6 plus 4 is 10.
6 plus 5 is 11, 6 plus 6 is 12,
6 plus 7 is 13, and 6 plus 8 is 14.

CHORUS:

When we talk in numbers, we use new words.
Speaking in addition can be fun,
Six is an addend, and so is one
Add them together and seven's the sum.

REPEAT FROM BEGINNING.

6 plus 1 is _____, 6 plus 2 is _____,
6 plus 3 is _____, 6 plus 4 is _____.
6 plus 5 is _____, 6 plus 6 is _____,
6 plus 7 is _____, 6 plus 8 is _____.

7 PLUS SONG

7 plus 1 is 8, 7 plus 2 is 9,
7 plus 3 is 10, 7 plus 4 is 11.
7 plus 5 is 12, 7 plus 6 is 13,
7 plus 7 is 14, 7 plus 8 is 15.

REPEAT FROM BEGINNING.

CHORUS:

Every sum that we have sung
Has been greater than the very last one.
The sum of seven plus four has to be,
Greater than the sum of seven plus three.

7 plus 1 is _____, 7 plus 2 is _____,
7 plus 3 is _____, 7 plus 4 is _____.
7 plus 5 is _____, 7 plus 6 is _____,
7 plus 7 is _____, 7 plus 8 is _____.

8 PLUS SONG

8 plus 1 is 9, 8 plus 2 is 10,
8 plus 3 is 11, 8 plus 4 is 12.
8 plus 5 is 13, 8 plus 6 is 14,
8 plus 7 is 15, 8 plus 8 is 16.

CHORUS:

When you have a number that's higher than nine,
It's easy to tell it from the one's behind.
Oh, all of the numbers have their own place,
There's a space for the tens and a space for the ones place.

REPEAT FROM BEGINNING.

8 plus 1 is _____, 8 plus 2 is _____,
8 plus 3 is _____, 8 plus 4 is _____.
8 plus 5 is _____, 8 plus 6 is _____,
8 plus 7 is _____, 8 plus 8 is _____.

9 PLUS SONG

9 plus 1 is 10, 9 plus 2 is 11,
9 plus 3 is 12, 9 plus 4 is 13.
9 plus 5 is 14, 9 plus 6 is 15,
9 plus 7 is 16, 9 plus 8 is 17.

CHORUS:

Adding with nines can be fun,
If you just be sure you get the right sum.
Take any number and add it to nine,
It's like adding to ten, only take away one.

REPEAT FROM BEGINNING.

9 plus 1 is _____, 9 plus 2 is _____,
9 plus 3 is _____, 9 plus 4 is _____.
9 plus 5 is _____, 9 plus 6 is _____,
9 plus 7 is _____, 9 plus 8 is _____.

10 PLUS SONG

10 plus 1 is 11, 10 plus 2 is 12,
10 plus 3 is 13, 10 plus 4 is 14.
10 plus 5 is 15, 10 plus 6 is 16,
10 plus 7 is 17, 10 plus 8 is 18.

CHORUS:

Now you know how to add these tables,
From six all the way to ten.
With all of these facts you'll be able
To add anytime—it won't matter when.

REPEAT FROM BEGINNING.

10 plus 1 is _____, 10 plus 2 is _____,
10 plus 3 is _____, 10 plus 4 is _____.
10 plus 5 is _____,10 plus 6 is _____,
10 plus 7 is _____, 10 plus 8 is _____.

RANDOM ADDITION QUIZ

8 plus 7 is _____, 7 plus 4 is _____.
6 plus 7 is _____, 9 plus 4 is _____.
8 plus 4 is _____, 9 plus 3 is _____.
8 plus 6 is _____, 6 plus 5 is _____.
8 plus 9 is _____, 7 plus 8 is _____.

8 plus 3 is _____, 7 plus 5 is _____.
8 plus 5 is _____, 9 plus 7 is _____.
8 plus 8 is _____, 9 plus 7 is _____.
7 plus 6 is _____, 9 plus 8 is _____.
6 plus 8 is _____, 9 plus 6 is _____.

10 MINUS SONG

10 minus 1 is 9, 10 minus 2 is 8,
10 minus 3 is 7, 10 minus 4 is 6.
10 minus 5 is 5, 10 minus 6 is 4,
10 minus 7 is 3, 10 minus 8 is 2.

You know that plus means to add
And minus means to take away.
Subtract the smaller from the larger
And the difference is the number that remains.

REPEAT FROM BEGINNING.

10 minus 1 is _____, 10 minus 2 is _____,
10 minus 3 is _____, 10 minus 4 is _____.
10 minus 5 is _____, 10 minus 6 is _____,
10 minus 7 is _____, 10 minus 8 is _____.

11 MINUS SONG

11 minus 1 is 10, 11 minus 2 is 9,
11 minus 3 is 8, 11 minus 4 is 7.
11 minus 5 is 6, 11 minus 6 is 5,
11 minus 7 is 4, 11 minus 8 is 3.

CHORUS:

It doesn't matter if the numbers are
Up and down or side by side.
The only thing that matters is that
You get the answer right, that's right.

REPEAT FROM BEGINNING.

11 minus 1 is _____, 11 minus 2 is _____,
11 minus 3 is _____, 11 minus 4 is _____.
11 minus 5 is _____, 11 minus 6 is _____,
11 minus 7 is _____, 11 minus 8 is _____.

12 MINUS SONG

12 minus 1 is 11, 12 minus 2 is 10,
12 minus 3 is 9, 12 minus 4 is 8.
12 minus 5 is 7, 12 minus 6 is 6,
12 minus 7 is 5, 12 minus 8 is 4.

CHORUS:

If you know how to use your subtraction,
Then the answers you won't have to guess.
When you're taking away from a number,
Then the answer's not more, it has to be less.

REPEAT FROM BEGINNING.

12 minus 1 is _____, 12 minus 2 is _____,
12 minus 3 is _____, 12 minus 4 is _____.
12 minus 5 is _____, 12 minus 6 is _____,
12 minus 7 is _____, 12 minus 8 is _____.

13 MINUS SONG

13 minus 1is 12, 13 minus 2 is 11,
13 minus 3 is 10, 13 minus 4 is 9.
13 minus 5 is 8, 13 minus 6 is 7,
13 minus 7 is 6, 13 minus 8 is 5.

CHORUS:

Math can be a funny thing,
It's tricky to learn each part.
To make it easy, the facts we sing,
So we'll know the answers by heart.

REPEAT FROM BEGINNING.

13 minus 1 is _____, 13 minus 2 is _____,
13 minus 3 is _____, 13 minus 4 is _____.
13 minus 5 is _____, 13 minus 6 is _____,
13 minus 7 is _____, 13 minus 8 is _____.

13 MINUS SONG

14 minus 1 is 13, 14 minus 2 is 12,
14 minus 3 is 11, 14 minus 4 is 10.
14 minus 5 is 9, 14 minus 6 is 8,
14 minus 7 is 7, 14 minus 8 is 6.

REPEAT FROM BEGINNING.

Fourteen's the largest number we'll subtract from.
But with what you know you can go on and on.
You can subtract from a number if it's large or small.
'Cause nothing can stop you now, you can do them all.

14 minus 1 is _____, 14 minus 2 is _____,
14 minus 3 is _____, 14 minus 4 is _____.
14 minus 5 is _____, 14 minus 6 is _____,
14 minus 7 is _____, 14 minus 8 is _____.

RANDOM SUBTRACTION QUIZ

12 minus 5 is _____, 11 minus 8 is _____.
14 minus 7 is _____, 13 minus 6 is _____.
11 minus 4 is _____, 14 minus 6 is _____.
13 minus 7 is _____.

12 minus 3 is _____, 13 minus 5 is _____.
11 minus 7 is _____, 14 minus 8 is _____.
12 minus 4 is _____, 11 minus 6 is _____.
11 minus 3 is _____.

12 minus 7 is _____, 11 minus 5 is _____.
13 minus 8 is _____, 12 minus 6 is _____.
13 minus 9 is _____, 14 minus 9 is _____.
14 minus 5 is _____.

Activity Sheet for:
Sing a Sum ... or a Remainder

1	3	2	6	3	2	3
+ 8	+ 2	+ 7	+ 1	+ 7	+ 6	+ 5

4	5	8	4	3	4	1
+ 1	+ 2	+ 3	+ 2	+ 6	+ 3	+ 5

3	7	5	2	1	2	1
+ 3	+ 3	+ 4	+ 8	+ 1	+ 4	+ 3

6	3	2	2	1	5	7
+ 2	+ 4	+ 1	+ 2	+ 7	+ 3	+ 2

Activity Sheet for:
Sing a Sum ... or a Remainder

4	6	5	7	3	8	7
+ 5	- 1	+ 2	+ 4	- 1	+ 4	- 1

5	4	2	9	5	3	2
+ 8	+ 4	+ 5	- 1	+ 4	+ 5	- 1

1	5	4	4	4	5	8
+ 4	+ 7	+ 6	- 1	+ 3	+ 1	- 1

6	5	4	5	4	5	6
+ 5	- 1	+ 2	+ 6	+ 7	+ 5	+ 4

Activity Sheet for:
Sing a Sum ... or a Remainder

10	7	9	8	6	10	6
+ 3	+ 5	+ 8	+ 3	+ 2	+ 4	+ 4

8	10	7	9	6	8	6
+ 2	+ 5	+ 6	+ 3	+ 6	+ 4	+ 7

9	10	7	8	7	9	10
+ 5	+ 7	+ 7	+ 8	+ 3	+ 2	+ 6

8	6	7	9	7	10	9
+ 5	+ 5	+ 4	+ 4	+ 8	+ 8	+ 7

Activity Sheet for:
Sing a Sum ... or a Remainder

11	12	14	10	13	11	14
- 2	- 4	- 5	- 3	- 6	- 8	- 4

10	11	12	13	14	12	14
- 8	- 5	- 3	- 7	- 8	- 6	- 3

10	13	11	12	10	12	14
- 6	- 5	- 1	- 8	- 4	- 5	- 2

11	13	10	13	11	14	13
- 3	- 8	- 7	- 4	- 7	- 6	- 2