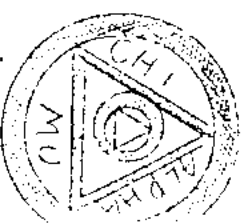


The GOLDEN
Treasury
OF
CHI ALPHA
MUSIC



CHI ALPHA
MUSIC

Will Rogers Junior High School
Miami, Oklahoma

CHI ALPHA MUSIC

SONGS

WRITTEN
BY

MEMBERS OF

THE CHI ALPHA MU MATH CLUB
Will Rogers Junior High School
Miami, Oklahoma 74354

PREFACE

The Greek Letters Chi Alpha Mu stand for Creative Adventures in Mathematics and in this instance they could represent Creative Adventures in Music.

These songs represent many happy, tuneful hours spent by The Distributives, the musical subset of The Chi Alpha Mu Mathematics Club at Will Rogers Junior High School, over a period of several years.

A nostalgic look at the days when about twenty teenagers gathered in my den every Tuesday night to enjoy their creations is a rainbow-hued memory.


May these simple songs provide a memory aid to some other budding mathematician who wants to combine some fun with his mastering the rules.

Lois Shipley, Club Sponsor

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A. YOU TAKE AN X FROM SOME EXPRESSION

Tune: There  Boy That I Would Like To Know

D You take an x from some expression
A7
You take a power from any base;

D You take a factor from a product,
D And from a cube you get a face,
(you get a face)

G And when you put them all together
D With a minus sign or plu-us--

D You will get a polynomial
G A7 D That is simply fabulous!!

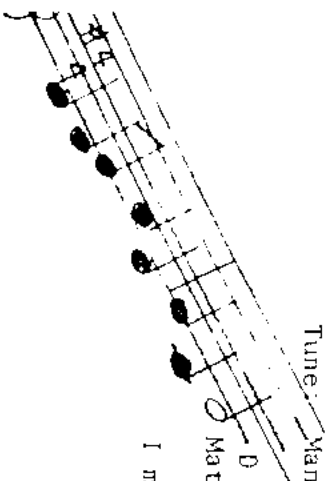



B. MATH IS THE SUBJECT I LIKE BEST (Round)

Tune: Man's Life's A Vapor

D A7 D
Math is the subject I like best
D A7
I make a hundred on each test.

D Mathematics, Mathematics
G A7 D
Gives life zest.



 I'D LIKE TO TEACH THE WORLD TO ADD

Tune: I'd Like To Teach The World To Sing

D E7
I'd like to teach the world to add, subtract,
and multiply.

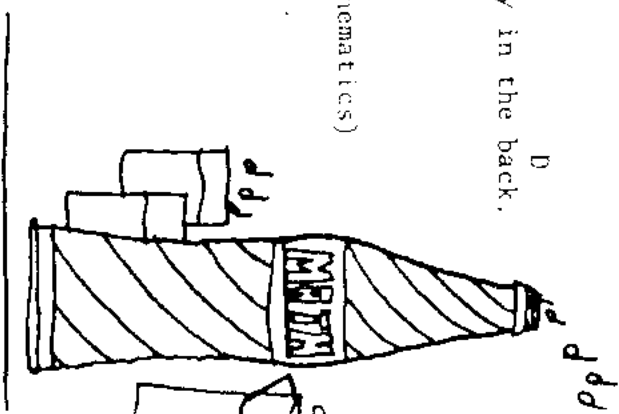
A7 G
I'd like to give the world a rule, to work
D it's problems by.

E7
I'd like to give the world a book and publish
it in black,

A7 D
With parentheses and brackets in
G And a glossary in the back.

It's the real thing, (Math is)
E7
What the world needs to know (Mathematics)

A7 D
What we're hoping to find,
D It's the real thing.



EVERY DAY I GO TO MATH CLASS

Tune: Clementine

D

Every day I go to Math class

A7

And I'm feeling mighty fine--

D

'Til we start to check our papers,

A7

Then I wither on the vine.

Chorus: Mathematics--working problems

A7

Here's a segment--There's a line.

D

Math assignments--TV programs

A7

Every evening I combine.

What's that letter on my grade card?

A7

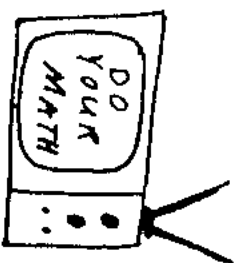
If it's A, how I will shine.

D

Yet, I don't know plus from minus--

A7

Wish we had some other sign.



* OH, REMEMBER RULE ONE*

Tune: Home On The Range

D

Oh, remember, Rule One*

G

So you'll have lots of fun

D

When you're factoring problems each day.

A7

COMMON FACTORS are there--

G

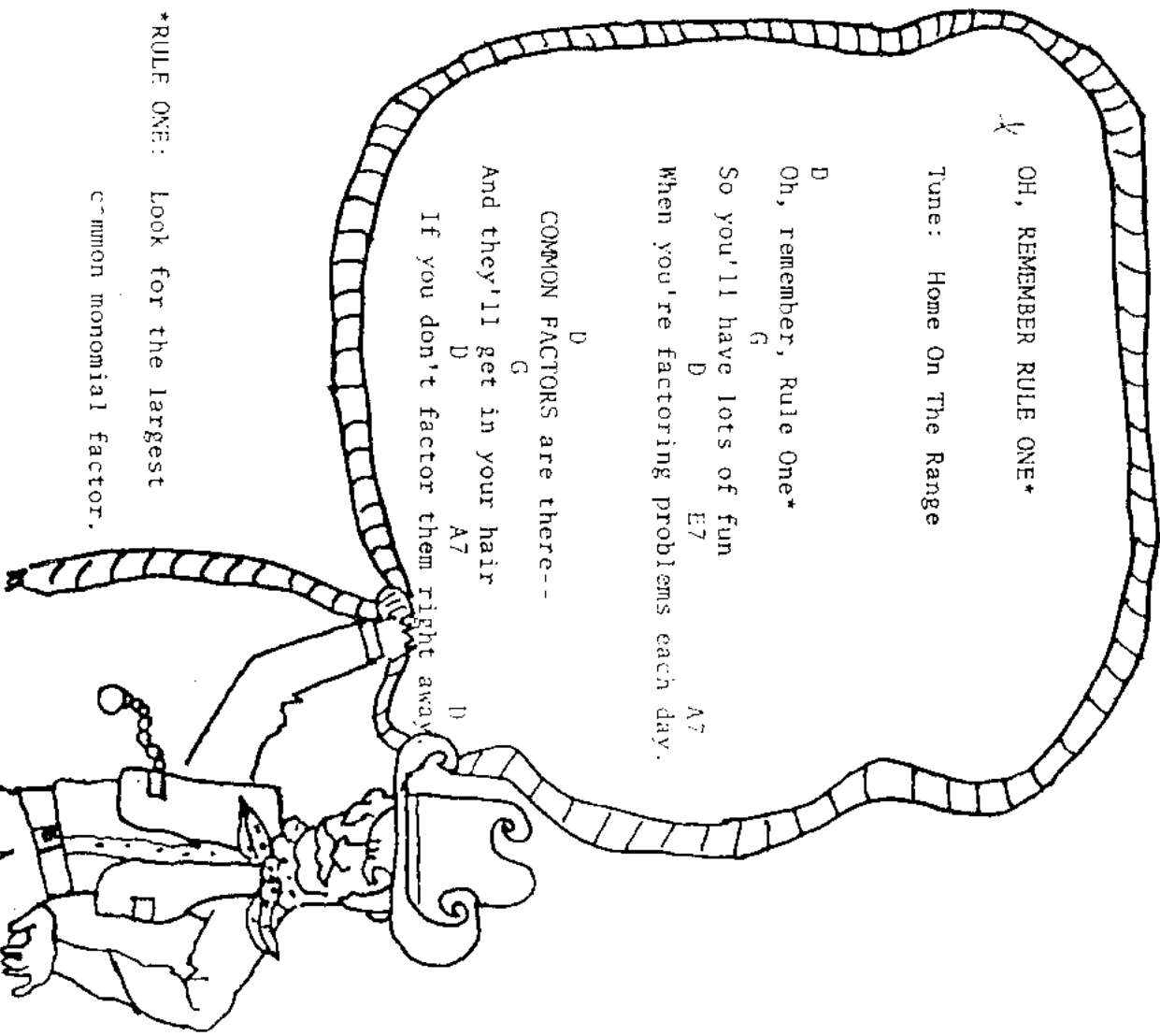
And they'll get in your hair

D

If you don't factor them right away.

D

*RULE ONE: Look for the largest common monomial factor.



HEY, LAWDY, AWDY, AWDY

A

Hey, Lawdy, Awdy, Awdy

E7

Hey, Lawdy, Awdy, Oh.

Hey, Lawdy, Awdy, Awdy,

A

Hey, Lawdy, Awdy, Oh.

1. We do a thing we call addition

E7

Hey, Lawdy, Awdy, Oh

While I dream of going fishin'

A

Hey, Lawdy, Awdy, Oh.

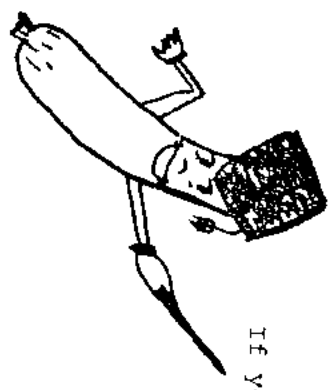
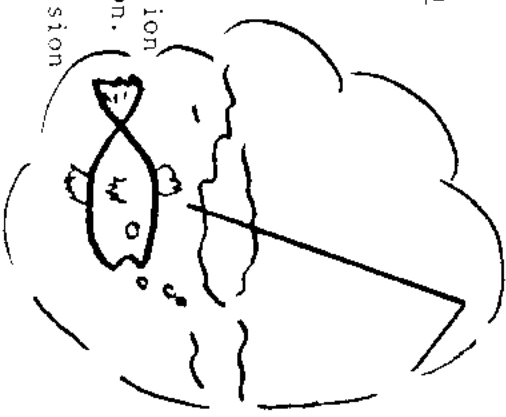
2. We do a thing we call subtraction
And we get a fractured fraction.

3. We do a thing called long division
And we do it with precision.

4. We can count in many bases--
They're confusing as blue blazes.

5. We do a thing called multiplying
It's hard to do, but it's worth trying.

6. We work ratios and proportions
As we go through mild contortions.



A. IF YOU LIKE MATHEMATICS, JOIN OUR CLUB

Tune: How Do You Do, Everybody

D

If you like mathematics, join our club

D

If you like mathematics, join our club.

G

If you like mathematics

D

Yet you're really not fanatic,

D

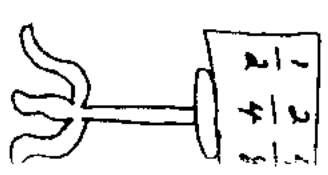
If you like mathematics, join our club.

A7

2) solve for x

3) find square root

4) watch those signs



B. I WANT TO KNOW A LOT ABOUT FRACTIONS

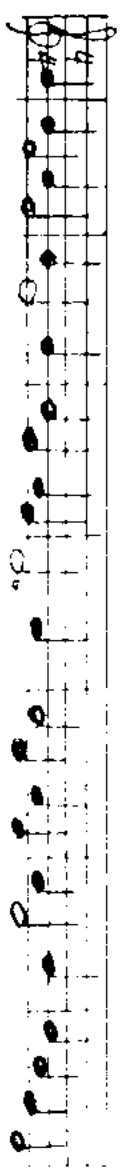
Tune: I Wish I Were An Oscar Mayer Weiner

I want to know a lot about fractions

I want to learn all that there is to know-ow

I'd like to understand denominators

So changing them would not upset me so.



A. OH, YOU CAN'T DIVIDE BY ZERO, ANYTIME

Tune: She'll Be Comin' Round The Mountain

D Oh, you can't divide by zero, anytime.

A7 Oh, you can't divide by zero, anytime.

D Oh, you can't divide by zero

G No, you can't divide by zero

D G A7 D No, you can't divide by zero, anytime.

$\frac{0}{x}$

$$\frac{m}{0}$$



FATHER WON'T DO MY HOMEWORK

Tune: It Ain't Gonna Rain No More, No More

D Father won't do my homework no more

A7 Father won't do it no more--

How in the world did the

teacher find out

D That Father did it before.



MRS. SHIPLEY TEACHES MATH

Tune: Old MacDonald Had A Farm

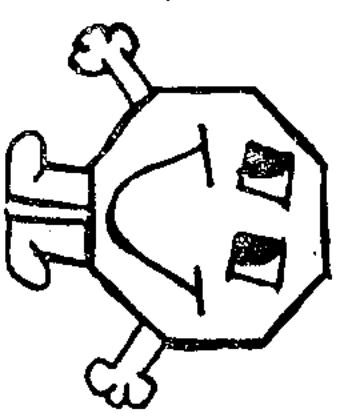
D G D Mrs. Shipley teaches Math

A7 D E-I-E-I-O

G D

Her overhead helps her do that

A7 D E-I-E-I-O



With a bright light here and a bright light there

Here a light, there a light,

Everywhere a bright light

Mrs. Shipley teaches Math

A7 D E-I-E-I-O.

D G D Her pointer stick's an old flag pole

A7 D E-I-E-I-O.

With a tap-tap here and a tap-tap there

Here a tap, there a tap,

Everywhere a tap, tap

Mrs. Shipley teaches Math

A7 D E-I-E-I-O.

By Dale Justice

A. THE FIRST SONG OF '76

Tune: Did You Ever See A Lassie?

She gave us an equation
 G
 D7

We could do it with ease,
 D7 G

Until we came to all those a's and z's.

We messed up, we flubbed up,
 D G

We could not do it,
 G

But we tried once more
 D7 G

And messed up again.

By Debbie Gaines and Diane Weber

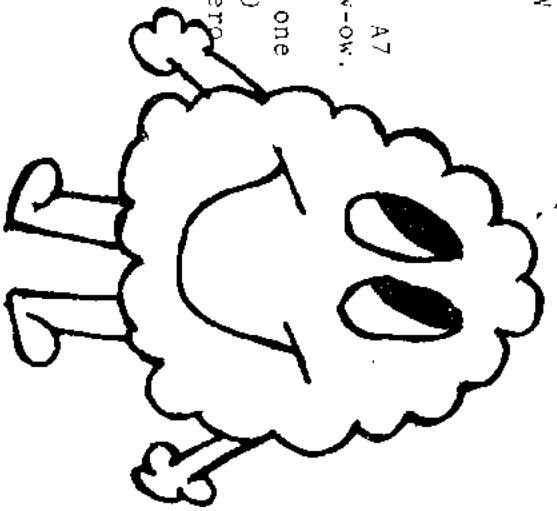
$$x + 2 = 6$$

$$a^2 + a = 30 ?$$

$$\{-6, 5\} ?$$

$$x_0 = 1$$

$$x \neq 0$$



A. EVERY TIME I LOOK INTO MY ALGEBRA BOOK

Tune: Put Your Hand In The Hand...

Every time I look into my Algebra book I want to tremble--
 G D

When I read how the numbers and letters
 D7 G

go together so simple.

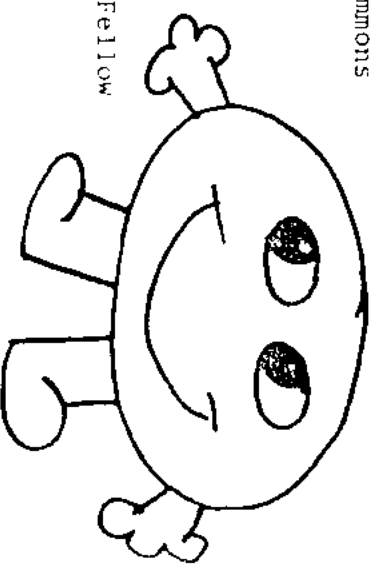
Then I listen to the teacher and she shows me
 G

how to do it the right way,
 D

And I know it will help me when I need it
 D

Some other day.

By Mike Simmons



B. THAT'S WHY WE HAVE A CLUB

Tune: For He's A Jolly Good Fellow

We're for jollification
 D G D

Let's stamp out uglification--
 D7

We'll master simplification--
 D

That's why we have a club!
 A7

REDUCE THOSE FRACTIONS

Tune: School Fight Song

Go, Miami Math Club

Reduce those fractions down.

Oh, let me tell you classmates

The solution I have

Found! Found! Found! Found!

Go, Miami Math Club

Reduce, go win and fight

Then you'll know, my classmates

Your answers will be right.

By Bill Bandy



A. TAKE ME INTO THE MATH CLASS

Tune: Take Me Out To The Ballgame

Take me into the Math Class

Sit me down in a chair,

Open your book and concentrate,

You find the answer and you feel so great!

For you multiply and di-vide

Before you subtract or add,

For it's 1-2-3 "P's" and you're out

Of the "Vole" Math Class

B. MULTIPLY, OH, MULTIPLY (A Round)

Tune: Chairs to Mend

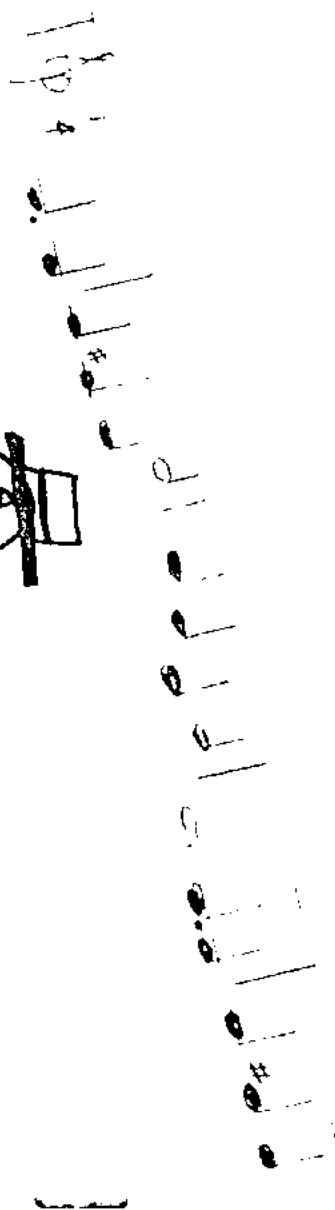
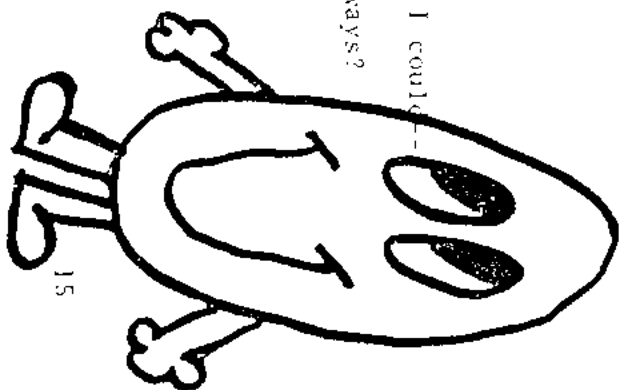
Multiply, Oh, Multiply

Wish I could, Oh wish I could

Any new ways? Any new ways?

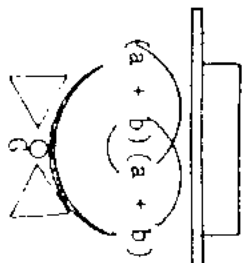
$$x \cdot 0 = 0$$

$$(a+b)(a+b) \neq a^2 + b^2$$



A. OUR FAVORITE RELATIVES

Tune: Yankee Doodle



D Uncle George can help you work A7

D Also, My Dear Aunt Sally-- A7

D They'll help you make 100% G

A7 If you work and do not dally D

D Try and remember all your rules,

D When you're working each day--

G They will be some helpful tools

D And you will make an A!

B. FRACTIONS EVERYWHERE

Tune: Jingle Bells

D Fractions here, Fractions there!

Fractions everywhere,

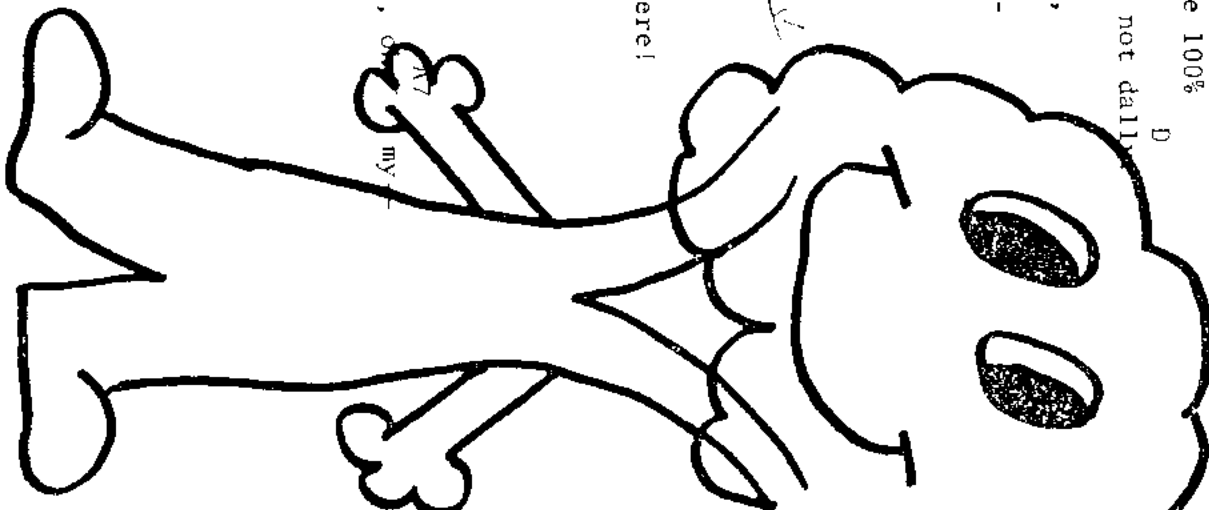
G Fractions are so hard for me D

E7 They bring me much despair-- A7

D One-half x, three-fourths y, Oh dear, my, my, my--

G Wish I'd learned my fractions now D

A7 'Cause man! I don't know how.



A.

A SET'S A SUBSET OF ITSELF

Tune: Reuben, Reuben

A A set's a subset of itself

D One subset it's sure to be E7

D If you know the subset's pattern A D E7 A

D They're as plain as A-B-C.

Every set contains a null set

One subset it's sure to be

If you know the subset's pattern

They're as plain as A-B-C.

Pow!rs of two will tell the number

Of the subsets there will be.

Two's the base and it's exponent

Comes from elements, you see.

(No. ELEMENTS)²
No. OF SUBSETS

B.

WHEN YOU DIVIDE

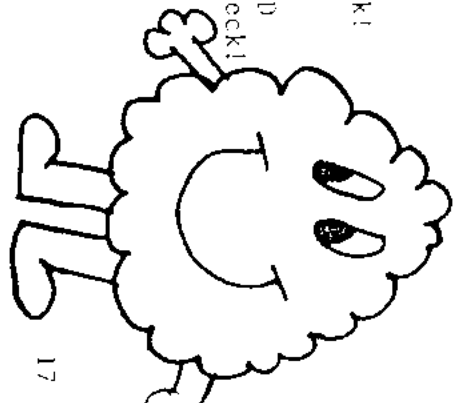
Tune: Rock-a-bye Baby

D When you divide, keep eyes open wide A7

D When you subtract, Remember, look back! G

D All of your problems, Be sure and check A7

D Or you may just end up one nervous wreck! D



MATH!

I LOVE YOU MATH CLASS

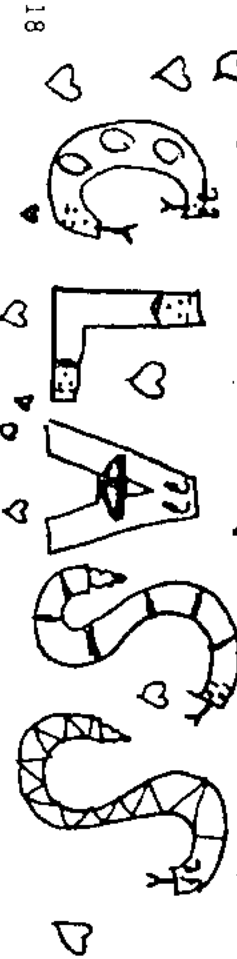
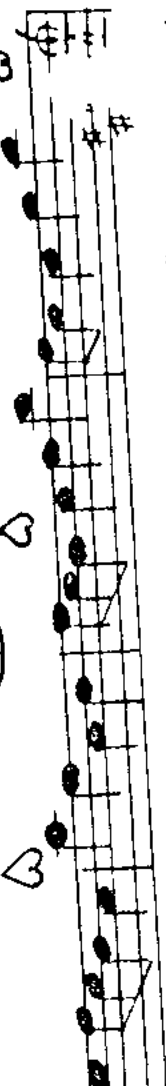
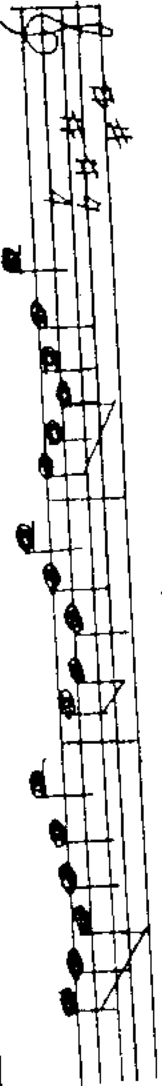
Tune: I Love You, Rockets

D
I love you, Math Class
A7
Oh, yes, I do

I don't love anything
D
As much as you.

When I'm not adding,
G
I feel so blue
D
Oh, Ma-ath Class
A7
I love you!

--Kathy Saar



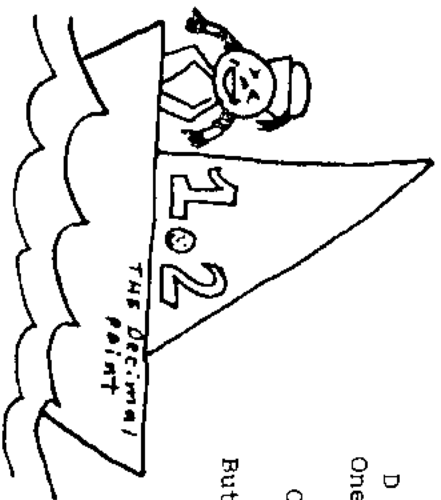
A. ONE TENTH TIMES ONE TENTH IS A HUNDRETH

Tune: My Bonnie Lies Over The Ocean

D
One tenth times 0.1 is a hundredth--
A7

One hundredth is just a per cent,
D

But since I've learned decimals are fractions
F7 A7
I'm giving up fractions for Lent.



B. IF I'D DO MY HOMEWORK EACH NIGHT

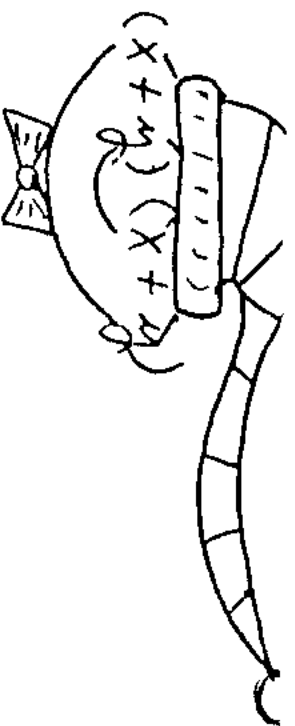
Tune: 'Way Down Upon The Swance River

A
While working problems on the blackboard
E7
They're never right!'

A
But, if I'd do my homework each night
A E7
I wouldn't be uptight !

E7
So I work on each assignment
A
Work---work--day and night
D

Now I work problems on the blackboard
A E7
They're bound to turn out right.



Uncle George Foil

MY UNCLE GEORGE AND AUNT SALLY

Tune: Let Me Call You Sweetheart

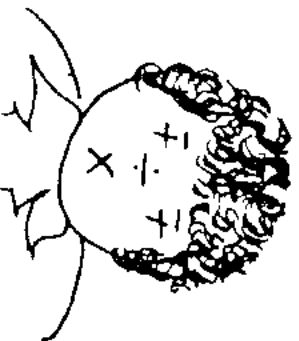
Let me introduce you to my Uncle George,
He's the greatest hero since the Valley Forge.

And, My Dear Aunt Sally*

She's a real Math whiz--

They'll be glad to help you
On your next Math quiz.

*The My-Dear-Aunt-Sally rule for multiplying and dividing before adding and subtracting.



My Dear Aunt Sally

A. THAT NUMBER IN THE BRACES

Tune: How Much Is That Doggie In The Window?

How much is that number in the braces?

I've tried and I've tried, but I fail

To find what that queer number equals,

But I do it with none to prevail.

The number I get when I work it
Sounds just like a prisoner's name,
But the trouble with that operation
It never comes out just the same.

Please help me, Dear Mathematics teacher,
To learn to do these things right.
I'll listen and heed all your warnings,
I never will give up the fight.

B. THIS THING ABOUT THE LABELS

Tune: Oscar Mayer Weiner

Oh, what is all this thing about the labels?

And what on earth are they supposed to do--oo--oo?

They're only good for helping me get goofed up

I thought that this was something that I knew.

Well, now I know so much about the labels

I'm happy and as proud as I can be--ee--ee

I wish the best of luck to other students

Then Math would be such fun and quite easy.



12 in. = 1 ft.

3 cm / 3 cm

A. ON TOP OF A FRACTION

Tune: On Top of Old Smoky

A D
On top of a fraction's A

A numerator, E7

There I lost my answer A

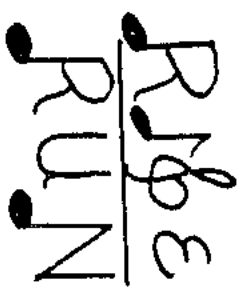
From working too slow. D

'Way up on the fraction, A

Where I lost my clue-- E7

I better review it, A

And look on page 2.



B. SLOPES

Tune: Hokey, Pokey

D You put the rise over run,

You put the rise over run

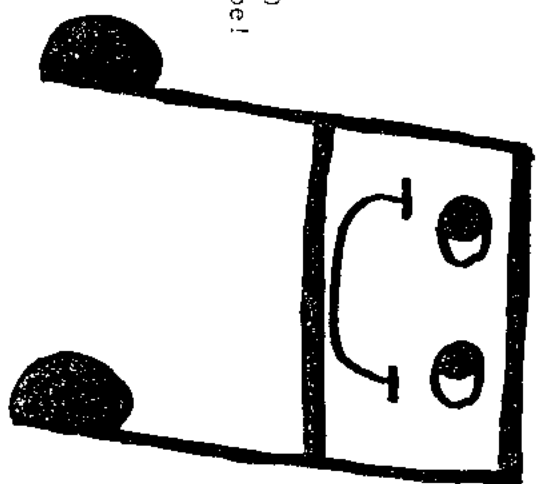
A7 You put the rise over run

You put the rise over run

Simplify the fraction, and

what have you got?

D That's how you find the slope!



YOU CANNOT FACTOR THE SUM OF TWO SQUARES

Tune: Hey, Look Me Over

G You cannot factor the sum of two squares

E7

People have tried it and found it

quite a dare.

D Don't try to do it; you'll only lose -

A7 You'll see the letters of x and y

B7 They will not factor so why do you try?

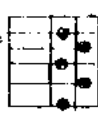
G So, if you'll remember this is taboo--

B7 Remember the law of polynomials, ooh!

And don't try to factor the sums of squares

G Then you will be all right,

D7 Stay in Algebra, Fight! Fight! Fight!



A. COMMUTATIVE LAW OF ADDITION

Tune: MY Bonnie Lies Over The Ocean

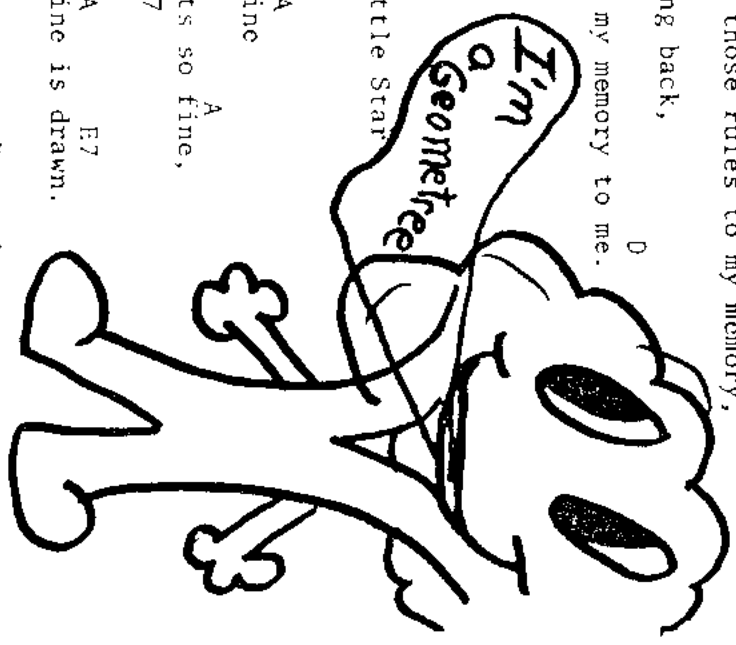
D G D
Commutative Law of Addition A7
Is so very simple to see; D
'Cause b plus c gives the same answer D
E7 A7 D
As adding a c to a b.

Bring back, Bring back, D
A7
O bring back those rules to my memory, D
G
Bring back, Bring back, A7
D
O bring back my memory to me.

B. GEOMETRY IS FUN TO DO

Tune: Twinkle, Twinkle Little Star

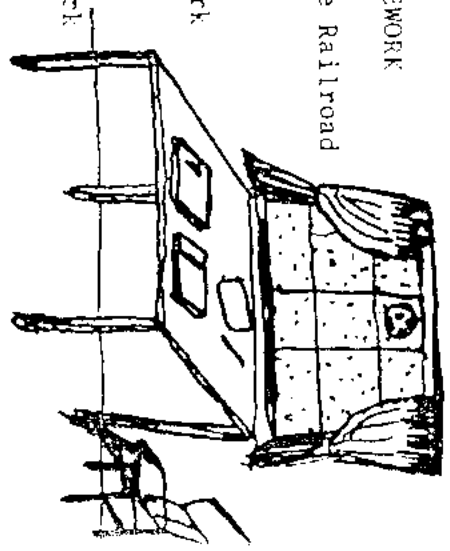
A
First, you take a number line D A
D A E7 A
Then you place the points so fine, A
D A E7
Then you add the arrows on D A E7
To tell which way the line is drawn. D A
A
Lines and points, and arrows, too D A
D A E7 A
Geometry is fun to do!



A. I'VE BEEN WORKING ON MY HOMEWORK

Tune: I've Been Working On The Railroad

D
I've been working on my homework D
G
All the livelong night.
I've been working on my homework D
E7 A7
And now I've got it right.



Doing roots and many bases-- D
G
I'll never get it done, D
Working cubes with many faces, A7 D
Now I know I've won.

B. WHAT'S THAT NUMBER?

Tune: Are You Sleeping, Brother John

1 x
? () 3 ÷ What's that number? What's that sign? +
19 2 Is it right? Is it wrong? 14 13 ?
? 20 4 Do I multiply it? Is it in the braces? ÷ 15 -
+ [5] 7 - Ding, ding, dong!
9 6 Ding, ding, dong!

? 11
? () 17
12 17
14 13 ?
15 -

{10} 16 x

C H O R D S

GUITAR

UNLELE

| | | | | | | |
|---|---|---|----|---|---|----|
| A | D | E | E7 | A | D | E7 |
| D | G | A | A7 | D | G | A |
| G | C | D | D7 | G | C | D |
| C | F | G | G7 | C | F | G |

Key of A

| | | | | | | |
|----|----|----|---|---|---|----|
| 3# | 2# | 1# | C | F | G | G7 |
| D | G | C | C | F | G | G7 |

Key of D

Key of G

Key of C No # or b

This book is dedicated to

THE DISTRIBUTIVES--That Glorious Musical Subset of

The Chi Alpha Mu Mathematics Club

Will Rogers Junior High School

Miami, Oklahoma

1976

THE TEACHER'S TUNE

Tune: I Enjoy Being A Girl

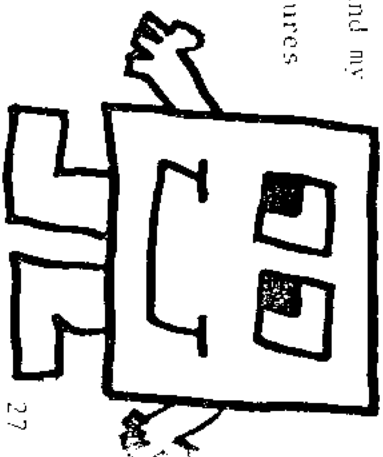
I'm in Math teaching students who are great,
 Though our room sometimes seems so topsy-turvy--
 Yet we solve all the X's we equate
 And the kids are pretty sharp, but some are nerdy.
 We adore knowing how to change those bases--
 Whether it's duodecimal or te-en.
 When we see polyhedra, we count faces
 Like a Euclid who has come to class again.

When we start to bisect angles,
 Then some smart one can trisect, too,
 His error soon shines with sparkles,
 I enjoy being in Math.

With kids at their best--creative
 Then their ideas light our path
 They make our room decorative
 I enjoy being in Math.

I flip when a student gets a sign right!
 I'm thrilled at the magic squares they make.
 I glow with an inner satisfaction
 When a child knows his proof is true and not a fake.

I'm strictly a teaching teacher. And my
 future I hope will be
 In a room full of bright-eyed creatures
 who'll enjoy being in Math
 having some fun
 like having such wonderful
 fun like me.



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