

<p>Crate Ask Omen Vak Tore</p>	<p>Greatest Common Factor</p>
<p>Oar Doe Riff Hop Orate Shins</p>	<p>Order of Operations</p>
<p>Mido Gate Miome Whirr Class Nightie Cheer</p>	<p>My dog ate my homework last night, teacher.</p>
<p>Toof Hind Dum Heedy Hun, Puddy Day Tall Lynn Ooh Merry Color Door, Ann Knit Twill Bead A Won Indy Me Dull</p>	<p>To find the median, put the data all in numerical order and it will be the one in the middle.</p>

<p>A Dingff Rack Shuns My Trek Wire Ack Omen Din Omen Eight Oar</p>	<p>Adding fractions might require a common denominator</p>
<p>Burpin' Tick Yeller Pie Sick Door</p>	<p>Perpendicular Bisector</p>
<p>Er Ow End Tooth In Arrest Tin Thus Plays</p>	<p>Round to the nearest tenths place</p>
<p>Wreck Dane Gull Lores Awl Its</p>	<p>Rectangular Solids</p>

Lie Enough
Cement
Tree

Line of
Symmetry

Ill Ease
Come In Mill
Tea Pull

A least
common
multiple

Sea Imp
Love Eye
Urine Sir

Simplify
Your Answer

Hairy Ah of Us Irk
Ill Eek Wall Spy
Dimes Their Eighty
Husk Where'd

Area of a circle
equals Pi times
the radius
squared

Arb Ray Ends
Grrr Owen
Whim Ache
Mist Aches

Our brains grow
when we make
mistakes

Purrs off ear
wince all fing
bra plums

Persevere
when solving
problems

You sap rope
eee at duels
strut teach ick
cull lee

Use appropriate
tools
strategically

Uh tend oop
Reese iz
shun

Attend to
precision

Mido Gate

Miome

Whirr Class

Nightie

Cheer

Toof Hind Dum
Heedy Hun, Puddy
Day Tall Lynn Ooh
Merry Color Door,
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A Won Indy Me
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A Dingff Rack
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Crate Ask

Omen Vak

Tore

Wreck

Dane Gull

Lores Awl

Its

Arb ray

ends grrr

owen whim

ache mist

aches

Purrs off

ear wince

all fing

bra plums

You sap

rope eee at

duels strut

teach ick

cull lee

Uh tend

oop Reese

iz shun

My dog ate my homework last night, teacher.

To find the median, put the data all in numerical order and it will be the one in the middle.

Adding fractions might require a common denominator

Perpendicular Bisector

Simplify Your Answer

Area of a circle equals Pi times the radius squared

Greatest Common Factor

Rectangular Solids

Our brains grow when we make mistakes

Perseverance when solving problems

Use appropriate tools strategically

Attend to precision

Ms. Grath who Loves Math

The Math Version of "The Cat in the Hat"

The sum was not right
In math class today
As we sat in our seats
Adding numbers that day.

I sat there with Cindy
We sat there, we two
And I said, "How I wish
We had real math to do."

Just working with digits
Makes my brain hit a wall
We always sit in our seats
Doing nothing at all.

Each year in math class, we just
Sit, sit, sit, sit.
Our brains do not like it
Not one little bit.

But this year, something went
BLINK!
How that BLINK made us THINK!

This year we saw her step into
our class
We looked and we saw her
Ms. Grath who loves math.
And she said to us,
"Why do you sit there like that?"

"Just adding digits
Is kind of crummy
But we can do math
And have fun that is funny.

"And I know some good games
We could play,"
Said Ms. Grath.
"Play games that are fun
And still help us do math."

"And great problems to solve,
I will ask them of you.
When you read them at first
You won't know what to do."

"But you will try something,
Guess and check, act it out,
Make tables, find patterns,
Or make it simpler, no doubt."

"Sometimes you might use
Thing x and thing y
To help you solve problems
You can give them a try."

"We use these to do math."
And she brought in a box
Full of two-colored counters
And square tiles and blocks.

**Then she asked us a question
About crossing a river
With a fox, and a hen
And some grain to deliver.**

**So Cindy and I
Got some square tiles to use
And we talked to each other
About what we would do.**

**When we had a solution
Our brains felt so great
Ms. Grath had more problems.
We couldn't wait!**

**She got out the glue sticks,
The paper, the scissors
And said, "Math should be more
Than just figuring figures."**

**"Math should be messy.
And at the end of the class,
There should be stuff to clean up
'Cause we were busy doing
math!"**

**"Do we need to add numbers?
Oh yes, yes we do.
Subtract and divide,
And multiply, too."**

**"But when we solve problems
It's so much more than that.
AND the answer means
something.
It's not arithmetic- it's math!"**

**So when we get home
And our mom asks us two
"Did you have any fun?
Tell me what did you do?"**

**We just talk about math.
It's our favorite, you know.
When we get to solve problems,
It helps our brains grow!**

**Do you get to solve problems
In your math class too?
Well...
What would you say
If your mother asked you?**

Sum Direction “Do You Know You’re Wonderful?”

Sung to the tune of One Direction’s “What Makes You Beautiful”

Original Lyrics in this Column	Cool Math Boy Band Lyrics in this Column
<p>You’re insecure Don’t know what for You’re turning heads when you walk through the door</p>	<p>You’re teaching math That’s where it’s at You’re teaching math when you walk through your classroom door.</p>
<p>Don’t need make-up, to cover up Being the way that you are is enough</p>	<p>To have more fun, to do the math, You drove to the MCTM conference.</p>
<p>Everyone else in the room can see it Everyone else but you</p>	<p>All of the kids in your room can see it Everyone else but you</p>
<p>Baby you light up my world like nobody else The way that you flip your hair gets me overwhelmed But when you smile at the ground it ain’t hard to tell You don’t know, oh oh You don’t know you’re beautiful</p>	<p>Teachers you light up their minds like nobody else You engage them in math that is meaningful And you vary instruction to reach them all It goes on and on You make math so wonderful</p>

If only you saw what I can see

You'll understand why I want
you so desperately

Right now I'm looking at you
and I can't believe

You don't know, oh oh

You don't know you're
beautiful, oh oh

That's what makes you
beautiful

So c-c-come on, you got it
wrong

To prove I'm right, I put it in a
song

I don't know why, you're being
shy

And turn away when I look into
your eye eye eyes

Everyone else in the room can
see it

Everyone else but you

Baby you light up my world like
nobody else

The way that you flip your hair
gets me overwhelmed

If only you knew how you help
kids see

To understand mathematics
more thoroughly

Right now we're looking at you
and we all agree

We all know, oh oh

We all know you're wonderful,
oh oh

Yes we know you're wonderful

So c-c-come on, don't get it
wrong

To prove we're right we put it in
a song

You taught them Pi, let's get it
right

It's like 3 point 14-159

All of the kids in your room can
see it

Everyone else but you

Teachers you light up their
minds like nobody else

You pose purposeful questions
with varied tasks

But when you smile at the
ground it ain't hard to tell
You don't know, oh oh
You don't know you're beautiful

If only you saw what I can see
You'll understand why I want
you so desperately
Right now I'm looking at you
and I can't believe
You don't know, oh oh
You don't know you're
beautiful, oh oh
That's what makes you
beautiful

Na na na na na na na na na
Na na na na na na
Na na na na na na na na na
Na na na na na na

Baby you light up my world like
nobody else
The way that you flip your hair
gets me overwhelmed
But when you smile at the
ground it ain't hard to tell
You don't know, oh oh
You don't know you're beautiful

You know that fluency's more
than just knowing their facts
So do you know, oh oh
Do you know you're
wonderful?

If only you saw what they can
see
Someone who gives up their
time to help students succeed
Right now we're looking at you
and we hope you believe
That you know, oh oh
That you know you're
wonderful, oh oh
That you know you're
wonderful

Na na na na na na na na na
Na na na na na na
Na na na na na na na na na
Na na na na na na

Teachers you light up their
minds like nobody else
A **growth** mindset **for** kids is
what **you** promote
Productive struggle is nurtured
so brains can grow
Their brains grow-oh-oh
Your kids know you're
wonderful

Baby you light up my world like
nobody else
The way that you flip your hair
gets me overwhelmed
But when you smile at the
ground it ain't hard to tell
You don't know, oh oh
You don't know you're beautiful

If only you saw what I can see

You'll understand why I want
you so desperately
Right now I'm looking at you
and I can't believe
You don't know, oh oh
You don't know you're
beautiful, oh oh
You don't know you're
beautiful, oh oh
That's what makes you
beautiful

You light up their minds like
nobody else
Whenever kids need you, you
are there to help
And when you laugh at their
jokes it's not hard to tell
Your kids know-oh-oh
Your kids know you're
wonderful

If only you saw what we can
see

You want kids to love math so
desperately
Right now we're looking at you
and we all believe
You don't know-oh-oh
Do you know you're wonderful,
oh oh
Do you know you're wonderful,
oh oh
Your kids know you're
wonderful!