

FACTOR TREE

Common Core Standard 7.EE1 – Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.

Chorus (x 2)

I'm the teacher you want
I'm Mr. Q-U-E
Just come into my class
Make sure all your work's complete
Let's make a factor tree, a factor tree
Just come into my class
Make sure all your work's complete

Verse 1

All you gotta do is work it out
Pick up your pencil and work it out
Do everything that I teach you in math
And I guarantee you will pass any class
Take out your paper and work it out
Open your book up and work it out
Do it like this or do it like that
There's more than one way
To solve a problem that's a fact
Yeah... and you have the answers
144... what's the prime factors?
First things first make a factor tree
Use 12×12 as your factors see
Then break those down to 6×2
And make those 6's... 3×2
That's how you do it
Yep right there, $2^4 \times 3^2$

Chorus (x 2)

Verse 2

A factor tree, I'm like woe is me
I gotta gotta break break down the factor tree
Well give me the numbers
Make sure it's composite
More than two factors yeah I got it
112 where the players dwell
Now break that down to 56×2
If you're wondering how'd I know what to do
All even numbers get divided by 2
2... 2... now you can do it too
All you gotta do is just follow Mr. Q...U...E
And this the factor tree
And if you love your math sing along with me
Now $56... 2 \times 28$
You're doin' your math and you're feelin great
Now $28... 2 \times 14$
When I get good grades stay fresh and clean
And $14... that's 2 \times 7$
And the prime factors of 112
Are $2^4 \times 7$

Chorus (x 2)

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