

Nov 11th 10:36:44 pm

christian S, it's good to see you.

Nov 11th 10:36:46 pm

I'm connecting you with a tutor immediately. 🙋

Nov 11th 10:36:48 pm

Nice

Nov 11th 10:36:51 pm

Tutors need to know how much work you've done to help you better... can you 📷 any progress you've made?

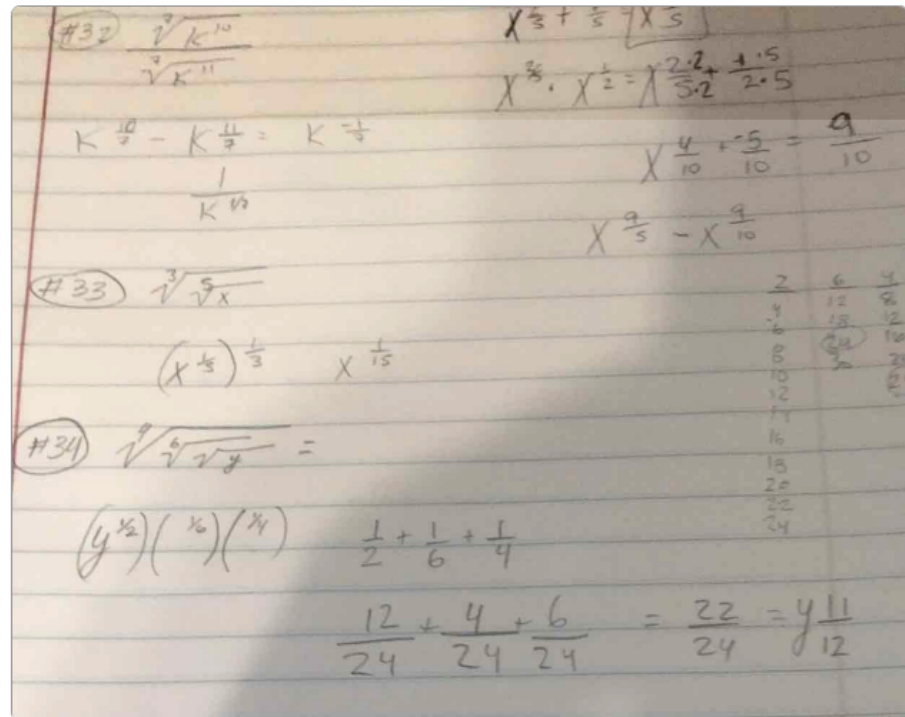
Nov 11th 10:36:54 pm

Picture 📷

Nov 11th 10:37:04 pm

TUTOR FOUND, NOW REVIEWING PROBLEM AT NO CHARGE

Nov 11th 10:37:04 pm



Nov 11th 10:37:05 pm

SESSION STARTED AT 4:37 PM

Nov 11th 10:37:07 pm

Hi christian, welcome to Yup! I'm Mr. Mahato and I'll be your tutor for this session. :)

Nov 11th 10:37:08 pm ✓ **Introduction: Tutor greets student by name, introduces himself by last name and welcomes student to Yup**

Can you please give me a few minutes to go over the problem?

Nov 11th 10:37:16 pm ✓ **A1: Determine the student's progress**

Hello,

Nov 11th 10:37:20 pm

Sure

Nov 11th 10:37:22 pm

Thank you!

Nov 11th 10:37:30 pm

Very close!

Nov 11th 10:38:32 pm

Can you tell me what will be $(a^2)^3$?

Nov 11th 10:39:31 pm ✓ **A1: Determine student's level of understanding**

Please let me know.

Nov 11th 10:40:25 pm

a^5

Nov 11th 10:40:31 pm

Not quite, but good guess though.

Nov 11th 10:40:47 pm ✓ **C2: Acknowledge student's mistake without causing stress**

$(a^2)^3 = a^2 * a^2 * a^2$, right?

Nov 11th 10:41:14 pm ✓ **B2: Breaks down concept further**

Yes

Nov 11th 10:41:33 pm

Ok so it's supposed to be multiplied

Nov 11th 10:42:07 pm

Correct!

Nov 11th 10:42:13 pm

✓ **C2: Encouraging words / punctuation**

Yes, you've got the point :)

Nov 11th 10:42:20 pm

I get confused on when they're supposed to be multiplied and when they're supposed to be added together

Nov 11th 10:42:32 pm

Don't worry!

Nov 11th 10:42:44 pm ✓ **C2: Reassuring language**

There are few properties of exponents we can memorize or else we could use simple examples to get the idea.

Nov 11th 10:43:27 pm ✓ **B2: Explain approach up front as roadmap**

Ok, I'm following

Nov 11th 10:44:18 pm

$$\left(a^m\right)^n = a^{(m \cdot n)} \quad a^m \cdot a^n = a^{m+n}$$

Nov 11th 10:44:19 pm ✓ **B2: Uploads relevant information / C1: Adapts to student's knowledge gap**

Can you see the image clearly?

Nov 11th 10:44:32 pm

Yes, thank you

Nov 11th 10:45:00 pm

You're most welcome!

Nov 11th 10:45:09 pm

Does that make sense?

Nov 11th 10:45:17 pm ✓ **C1: Check with the student to ensure understanding**

Yes

Nov 11th 10:45:23 pm

Great!

Nov 11th 10:45:29 pm

But how do I go about doing multiple fractions

Nov 11th 10:45:45 pm

Do I just multiply the denominators straight across?

Nov 11th 10:46:14 pm

To multiply fractions, we simply have to multiply the numerators by numerators.

Nov 11th 10:46:46 pm ✓ **B2: Break down concept / C1: Adapt to student's knowledge gap**

And, sloe by denominators by denominators.

Nov 11th 10:46:57 pm

*And, also

Nov 11th 10:47:04 pm ✓ **Tutor quickly corrects typo**

$$\frac{a}{b} \cdot \frac{c}{d} = \frac{a \cdot c}{b \cdot d}$$

Nov 11th 10:47:34 pm ✓ **B2: Uploads relevant information**

Can you see the image clearly?

Nov 11th 10:47:46 pm

Yes

Nov 11th 10:48:29 pm

Great!

Nov 11th 10:48:38 pm

Then, can you tell me what will be 2/3 * 5/7?

Nov 11th 10:48:58 pm ✓ **C3: Relevant CFU to check for understanding**

10/21

Nov 11th 10:49:25 pm

$$\frac{2}{3} \cdot \frac{5}{7}$$

Nov 11th 10:49:27 pm

Woohoo! You are right :)

Nov 11th 10:49:33 pm ✓ **C2: Use encouraging words, friendly punctuation**

Then, can you please give a try to solve the original problem and let me know what you will get?

Nov 11th 10:50:15 pm ✓ **C3: Invite student to proceed independently**

Note: This would be best worded as "...can you please give the original problem a try and let me know what you get?"

y^{1/48}

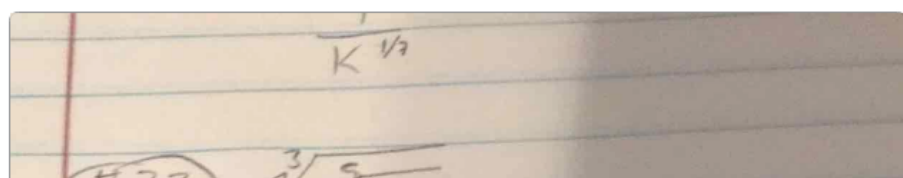
Nov 11th 10:50:47 pm

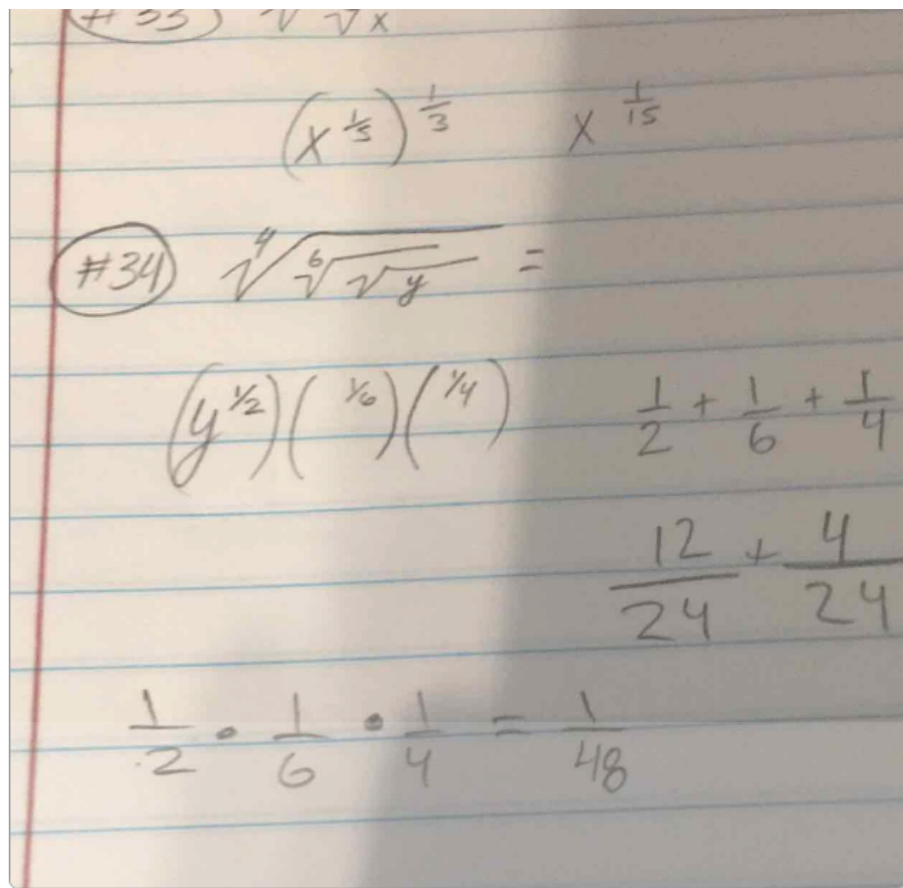
Nice work, you got it!

Nov 11th 10:50:59 pm ✓ **C2: Positive language**

Keep up the good work :)

Nov 11th 10:51:06 pm ✓ **C2: Motivates student with encouraging language**





Nov 11th 10:51:12 pm

Perfect!

Nov 11th 10:51:32 pm

✓ C2: Positive language

Yes, that is absolutely correct!

Nov 11th 10:51:59 pm

Thanks, those problems look intimidating, but with good explanation they're a breeze to tackle

Nov 11th 10:52:24 pm

:)

Nov 11th 10:52:31 pm

Would you mind to give a try on another similar problem?

Nov 11th 10:52:47 pm ✓ C3: Relevant CFU to check for understanding

Note: This would be best worded as "Would you mind trying a similar problem?"

Sure

Nov 11th 10:53:02 pm

Great!

Nov 11th 10:53:09 pm

$$\sqrt[3]{\sqrt[2]{\sqrt[4]{a^3}}}$$

Nov 11th 10:53:25 pm

Could you please give a try to write the above expression with rational exponents and then simplify using the properties of exponents?

Nov 11th 10:54:22 pm

Note: This would be best worded as "Could you please try writing..."

Ok

Nov 11th 10:55:04 pm

Great!

Nov 11th 10:55:15 pm

Please let me know what you will get.

Nov 11th 10:55:23 pm

Note: This would be best worded as "...what you get."

Ok

Nov 11th 10:55:44 pm

:)

Nov 11th 10:55:48 pm

The image shows a student's handwritten work on lined paper. At the top, there is a cube root expression: $\sqrt[3]{\frac{a^3}{2^4 \cdot 3}}$. Below it, the expression is simplified to $(a^{\frac{3}{4}} \cdot \frac{1}{2})^{\frac{1}{3}}$, which is then further simplified to $a^{\frac{3}{24}}$. To the right of this, the final simplified form is shown in a box: $a^{\frac{1}{8}}$.

Nov 11th 10:57:06 pm

Please give me a moment to check.

Nov 11th 10:57:20 pm

Wow! Awesome job :)

Nov 11th 10:57:29 pm

Yes, that is absolutely correct!

Nov 11th 10:57:37 pm

Keep up the good work!

Nov 11th 10:58:06 pm

✓ **C2: Positive language**

Awesome! Thanks for helping me understand!!

Nov 11th 10:58:09 pm

Is there anything else I can help you with?

Nov 11th 10:58:08 pm ✓ **Tutor checks to see if student needs more help**

You're most welcome!

Nov 11th 10:58:16 pm

Not at the moment, I'm gonna continue with the rest of the review, is there a way to request for you in the future?

Nov 11th 10:58:55 pm

Unfortunately, we're still working on a feature that lets you request a specific tutor, but every tutor here is well-trained and ready to help you out.

Nov 11th 10:59:17 pm ✓ **Tutor addresses student's question with appropriate scripted message**

Don't worry :)

Nov 11th 10:59:57 pm

It was my pleasure helping you out today. Thanks for using Yup! Have a great time! :)

Nov 11th 11:00:37 pm ✓ **Conclusion: Warm send off**

Ok, I appreciate your help, you always give good explanations and don't just try to run up the clock. Thanks

Nov 11th 11:01:16 pm

You're most welcome!

Nov 11th 11:01:32 pm ✓ **Conclusion: Warm send off**

Thank you ^_^

Nov 11th 11:02:21 pm

Student ended session

Nov 11th 11:02:34 pm