25. At a certain school the ratio of teachers to students is 1 to 10. Which of the following could be the total number of teachers and students?

(A) 100
(B) 121
(C) 222
(D) 1,011

STOP. IF YOU FINISH BEFORE THE TIME IS UP, YOU MAY CHECK OVER YO

Feb 5th 10:17:43 pm

SESSION STARTED AT 4:18 PM

Feb 5th 10:18:09 pm

Hi! I will be your tutor for this session. How are you?

Feb 5th 10:18:11 pm

What's up

Feb 5th 10:18:16 pm

I have reviewed your problem. We will find the answer together in no time! Are you ready to begin now?

Feb 5th 10:18:28 pm

I don't know where to start I'm clue less I don't understand anything at all

Feb 5th 10:18:41 pm

Please don't explain it in a complicated way

Feb 5th 10:19:01 pm

Explain it in a very easy simple way

Feb 5th 10:19:12 pm

Okay :) We will work on this together.

Feb 5th 10:19:31 pm

I'm going to ask you questions to help me figure out where you are stuck. That way we can solve your problem faster. The more you participate the quicker we will be able to get through this!

Feb 5th 10:19:36 pm

Ok

Feb 5th 10:21:37 pm

Have you tried solving this one?

Feb 5th 10:22:37 pm

No idk anything about it I'm clueless

Feb 5th 10:22:57 pm

Okay. Let's start with the given inthe problem. What is the given ratio in the problem?

Feb 5th 10:23:46 pm

1:10

Feb 5th 10:24:34 pm

What does it means?

Feb 5th 10:24:44 pm

Idk

Feb 5th 10:25:05 pm

What does it means that there is a ratio of teachers to students of 1:10?

Feb 5th 10:25:52 pm

That for every 10 students there's 1 teacher

Feb 5th 10:26:39 pm

Great!

Feb 5th 10:26:53 pm

Wee must find out which among the choices could be the total number of teachers and students.

Feb 5th 10:27:31 pm

We*

Feb 5th 10:27:40 pm

Do you have any idea on how we can figure it out?

Feb 5th 10:28:13 pm

No I don't know anything at all

Feb 5th 10:29:04 pm

Okay :)

Feb 5th 10:29:33 pm

The best way to find out the answer is by trying each of the choices.

Feb 5th 10:30:05 pm

Let's start with option A, 100.

Feb 5th 10:30:32 pm

First, let's divide it by 10. What is the quotient of 100 divided by 10?

Feb 5th 10:31:15 pm

10

Feb 5th 10:32:19 pm

That's right. It means we can have 10 sets composed of 10 students, but the problem asked for the number of teachers and students.

Feb 5th 10:33:24 pm

So let's subtract 1 from 10. Now we have 9.

Feb 5th 10:34:06 pm

Ok

Feb 5th 10:34:13 pm

What is 9x10?

Feb 5th 10:34:50 pm

There's 10 teachers out of 90

Feb 5th 10:34:56 pm

Students

Feb 5th 10:35:03 pm

Oops! Please take note that our ratio is 1:10.

Feb 5th 10:35:26 pm

Ok

Feb 5th 10:35:37 pm

So if we have 90 students, how many teachers are there?

Feb 5th 10:35:49 pm

10

Feb 5th 10:35:59 pm

You are almost there! Can you try again?

Feb 5th 10:36:13 pm

idk

Feb 5th 10:36:26 pm

The trick here is to divide 90 by 10 again. By dividing it we can get the total number of teachers for 90 students.

Feb 5th 10:37:14 pm

Which is 9

Feb 5th 10:37:32 pm

That's right! If we have 90 students and 9 teachers, what is our total number?

Feb 5th 10:38:19 pm

98

Feb 5th 10:38:35 pm

99

Feb 5th 10:38:38 pm

Great! Therefore it is not equal to 100, so we msut proceed to the next option.

Feb 5th 10:39:05 pm

must*

Feb 5th 10:39:15 pm

Ok

Feb 5th 10:41:11 pm

Can you give it a try for the next option?

Feb 5th 10:41:26 pm

Ok 11 times 11 =121

Feb 5th 10:41:50 pm

Not quite. What is our first step again? :)

Feb 5th 10:42:41 pm

Idk

Feb 5th 10:43:00 pm

Just remember, the more you participate, the faster we can finish this problem and the more you will learn! :)

Feb 5th 10:43:09 pm

Your explaining things to complicated

Feb 5th 10:43:33 pm

Please try to go back to our previous solution for the first option.

Feb 5th 10:43:36 pm

Student ended session

Feb 5th 10:44:26 pm