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力 だめし print part4 Elementary school 6th grade　mathematic 3 【１１】（１）

Hello,everyone.This is the question of unicycle.

Have you ever ridden a unicycle?

At first, it's difficult, but if you can get on, it's fun to do various moves.

Now,Let’s start the question.

Main character of this story is Ayaka.

Ayaka is adjusting the height of the saddle of a unicycle.

It is said that the height of a unicycle is about the same as the height from the ground to the navel.

Ayaka adjusted the height of the saddle, like this picture.

The question is how high is the height from the ground to Ayaka's navel.

Now, let's organize the information shown in this picture.

First, the height from the ground to the navel,

Next, the height from the saddle to the tire,the part of ㋐

Then, the radius of the tire is 25 cm

As you can see, each information is diverse,

So,if you put together in one place, it will be easier to understand.

First, move the length of ㋑

Now, if you find out the rest, it seems that the answer will come out.

How can you know the length of the remaining part?

Then, what is the height of this remaining part?

If you move it to the side, that's right, you can see that it is the height of the tire.

So how can you find the height of a tire?

About the hight of a tire, you can find some hints here.

That means that the radius of the tire is 25 cm.

The diameter is the line that passes through the center of this circle and runs from the circumference to the circumference.

The diameter is twice as long as the radius.

The length of the diameter is twice the radius, so 25 x 2 = 50

The diameter of this tire is 50 cm.

Let's move the diameter of this circle.

Now you know the length to find the height from the ground.

The length of ⌀ is 20 cm, and the diameter of the tire is 50 cm.

In total, the height from the ground to the navel is 70 cm.

In this way, It's a interesting part of mathematics that you can find out a lot of things by using hints in the question.