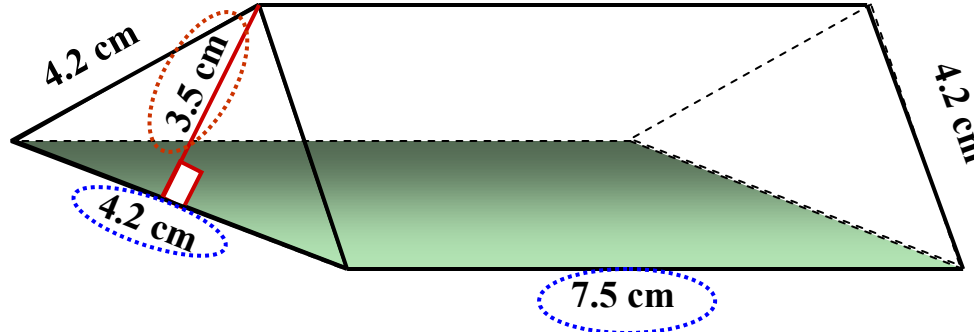


## How to find the volume of a triangular prism



### How we teach to our students?

We ask our students to circle the edges of interest in the given shape of the [triangular prism](#). In the above shape the edges we need to find the volume are 4.2 cm, 3.5 cm (Base and perpendicular height respectively) and 7.5 cm is the length of the prism.

We ask the students to circle these lengths of interest and now, to find the volume of the triangular prism is a piece of cake. Multiply the three lengths you circled and divide by 2, which is the volume of the triangular prism.

$$V = \frac{\text{Base} \times \text{Height} \times \text{length}}{2}$$

$$V = \frac{4.2 \times 3.5 \times 7.5}{2}$$

Because the base = 4.2 m

Perpendicular height = 3.5 m and

The length of prism = 7.5 m

$$V = \frac{118.13}{2}$$

$$V = 59.06 \text{ cm}^3$$

*Hence the key to find the volume of a triangular prism is to find the right lengths to put in the formula to find the volume. The hint to find the proper side lengths is always the square edge used to show the perpendicular height of the prism.*

*Once you get all three lengths needed, multiply them and divide by 2 to find the volume.*