

May 24, 2020

Answer key will be posted on the website next week. Parents please check your child's work.

Volume - Prisms

Volume is the amount of 3-dimensional space an object occupies. It is measured in cubic units.

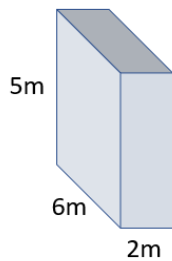
The **volume of a rectangular prism** is the product of the length times width times height.

The **volume of a triangular prism** is the product of the area of the base times the height.

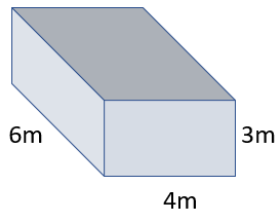
Concepts you should know:

Volume of rectangular prism	Length x Width x Height
Volume of triangular prism	Area of Base x Height

1. Volume = _____

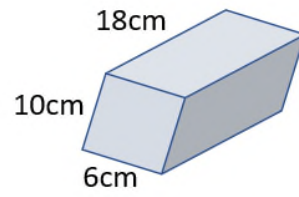


2. Volume = _____

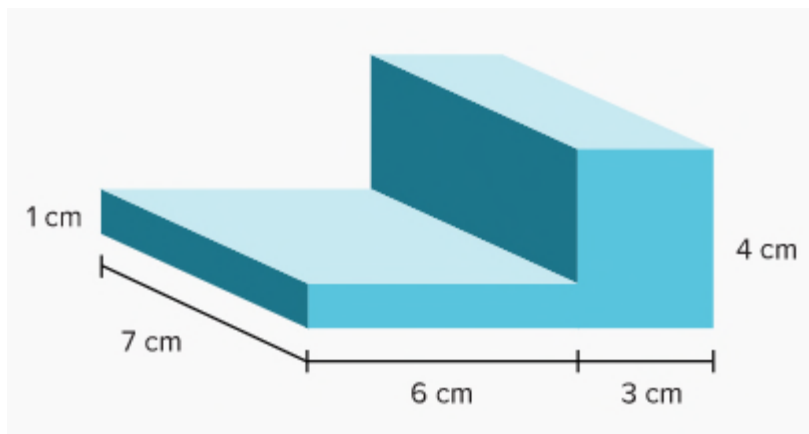


For questions, please email Abha Bhandair at abhandair@gmail.com

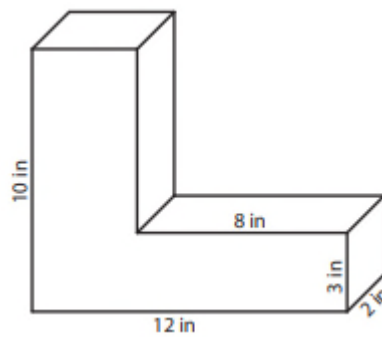
3. Volume = _____



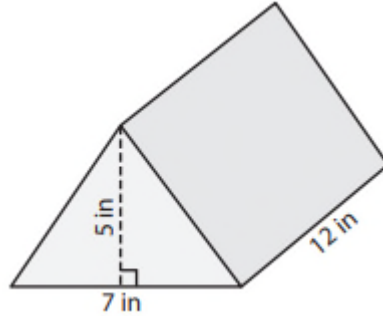
4. Volume = _____



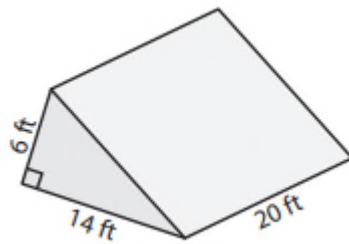
5. Volume = _____



6. Volume = _____



7. Volume = _____



8. A rectangular prism has a length of 22 feet and a width of 10 feet. Determine the height of the rectangular prism if its volume is 1,540 cubic feet.
9. Kelly has to build a box for her school project with a volume of 36 cubic centimeters. The base of the box is 6 cm long and 2 cm wide. How high should she build the box?
10. The base of a prism is a right triangle with legs measuring 16 feet and 4 feet. If the height of the prism is 14 feet, find its volume.