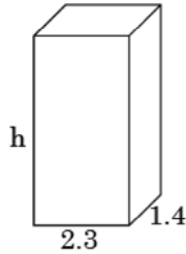
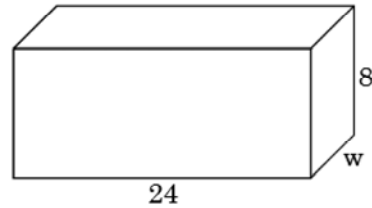


Use the diagrams shown to write and solve equations in order to find the missing dimensions.

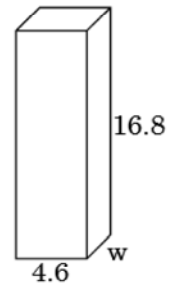
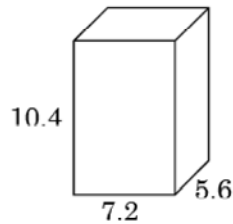
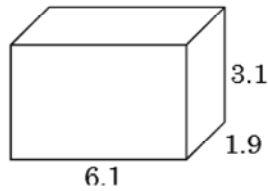
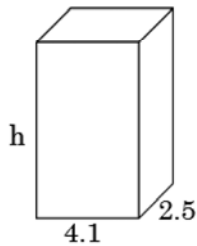
1. Given that the volume is 2, find the height.



2. Given that the volume is 480, find the width.



3. Given that the boxes have equal volumes, find the missing height.



5. A swimming pool is 20 meters long and 12 meters wide. What volume of water does the pool hold if the average depth of water is 1.75 meters? \_\_\_\_\_  
 If the pool was filled at a rate of 1 cubic meter in 20 minutes, how many hours did it take to fill the pool? \_\_\_\_\_
6. A concrete patio is 24 feet long, 10 feet wide, and 4 inches thick. How many cubic feet of concrete was needed to build the patio? \_\_\_\_\_ If the concrete is bought by the cubic yard, how many cubic yards will be needed to build the patio? \_\_\_\_\_