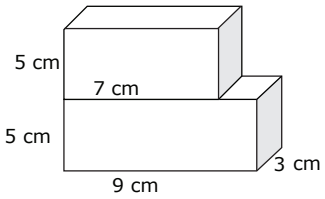
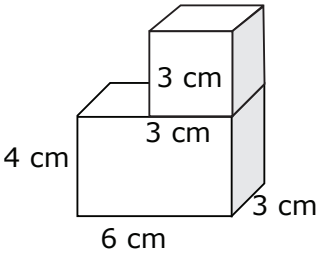
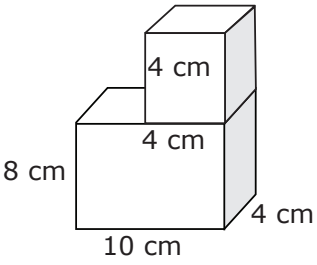
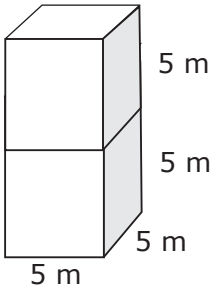
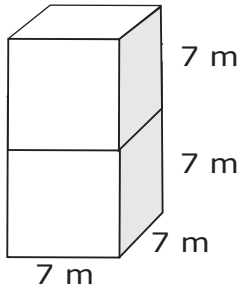
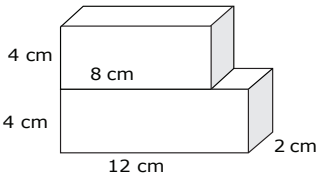
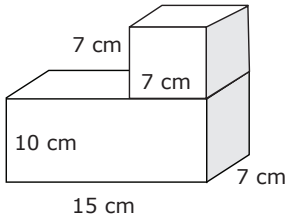
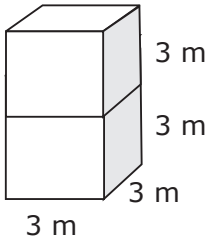
Volume of Complex Figures: Word Problems – Chain Reaction – Page 1 of 2

$V = 54\ m^3$ F A picnic cooler is divided into two sections. One section has a width of 12 inches, a length of 18 inches and a height of 10 inches. The second section has a width of 12 inches a length of 8 inches and a height of 10 inches. What is the total volume of the cooler?	$V = 1{,}728\ in.^3$ T Two boxes are stacked together. The first box has a length of 8 inches, a width of 8 inches and a height of 4 inches. The second box has a length of 6 inches, a width of 6 inches and a height of 2 inches. What is the total volume of the 2 boxes?	$V = 108\ in.^3$ W  What is the volume of the complex figure shown above?	$V = 1{,}393\ cm^3$ E A large box is divided into 2 equal sections. The dimensions of each section are given below. length = 20 ft width = 9 ft height = 6 ft What is the total volume?
$V = 3{,}120\ in.^3$ R  What is the volume of the complex figure?	$V = 328\ in.^3$ B A large shipping crate is made up of 2 sections that are in the shape of rectangular prisms. One section has a length of 4 feet, a width of 2 feet and a height of 8 feet. The second section has a length of 4 feet, a width of 4 feet and a height of 8 feet. What is the total volume of the container?	$V = 240\ cm^3$ G Two large containers are being used to store recycling materials for the plastic and newspaper drive at school. Each of the containers are the identical size. length = 10 m width = 5 m height = 6 m Using the dimensions above, what is the total volume of the two containers.	$V = 2{,}160\ ft^3$ A  What is the volume of the complex figure above?

Key: F, R, K, D, T, B, P, M, W, G, H, L, E, A, N, C, back to F

Volume of Complex Figures: Word Problems – Chain Reaction – Page 2 of 2

$V = 99\ cm^3$ K 3 cubes are lined up side by side for storage bins. Each side of the cube measures 8 inches. What is the total volume of the 3 cubes?	$V = 192\ ft^3$ P  What is the volume of the composite figure?	$V = 600\ m^3$ H  What is the volume of the composite figure shown above?	$V = 384\ cm^3$ N  What is the volume of the composite figure?
$V = 1{,}536\ in.^3$ D A wedding cake has 2 layers. The first layer has a length of 24 inches, a width of 18 inches and a height of 3 inches. The top layer has a length of 18 inches, a width of 12 inches and a height of 2 inches. What is the total volume of the wedding cake?	$V = 250\ m^3$ M Two boxes are stacked together. The dimensions of the boxes are the same. The dimensions of each box are shown below. length = 9 in. width = 3 in. height = 2 in. What is the total volume of the 2 boxes?	$V = 686\ m^3$ L  What is the volume of the composite figure?	$V = 160\ cm^3$ C  What is the volume of the complex figure shown above?

Key: F, R, K, D, T, B, P, M, W, G, H, L, E, A, N, C, back to F