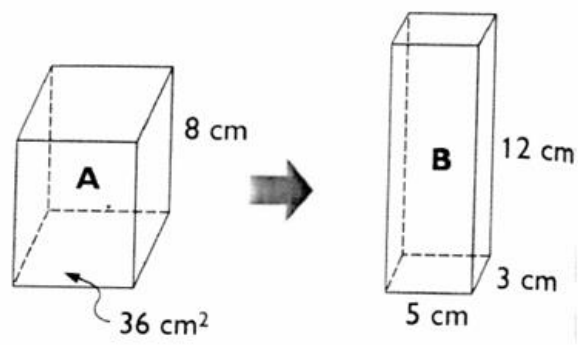
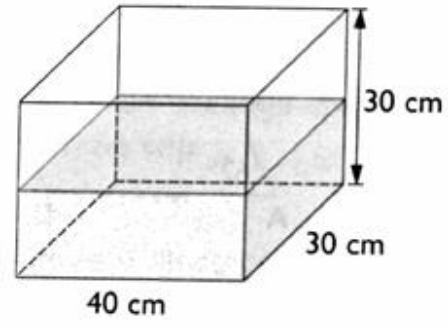
Volume of solid worksheet

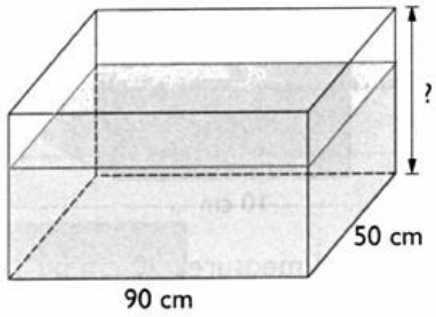
1. Tank A has a square base of area 36 cm^2 and its height is 8 cm. It is completely filled with water. Tank B is empty and it measures 5 cm by 3 cm by 12 cm. The water in tank A is poured into tank B to fill it to its brim. Find the height of the new water level in tank A.



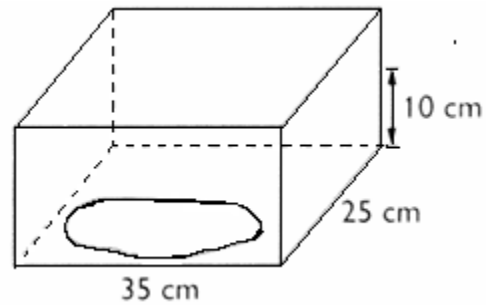
2. A rectangular tank, measuring 40 cm by 30 cm by 30 cm, is ½ filled with water. If 12,000 cm^3 of the water is drained out, find the height of the new water level (1 liter = 1000 cm^3)



3. A rectangular tank is 90 cm long and 50 cm wide. It contains 162 liters of water when it is 2/3 full. Find the height of the tank. (1 liter = 1000 cm^3)



4. A rectangular tank, 35 cm long and 25 cm wide, contained some water and a stone. The height of the water level was 10 cm. When the stone was taken out, the water level dropped to 8 cm. Find the volume of the stone.



5. A rectangular tank measuring 50 cm by 40 cm by 40 cm is ½ filled with water. When 3 metal cubes of edge 10 cm are placed in the tank, the water level rises. Find the height of the new water level.