Volume

A.	Choose the correct answer:			
	1. The volume of a cube is found b	ру		
	a) length × breadth	b) side × side		
	c) side × side × side	d) length × height		
	2. What is the volume of a cube with side 4 cm			
	a) 64 cm³	b) 16 cm ³		
	c) 12 cm ³	d) 8 cm ³		
	3. The correct unit to measure volume is			
	a) cm	b) cm²		
	c) cm³	d) m		
	4. The volume of a cuboid is calculated by			
	a) length + breadth + height	b) length × breadth × height		
	c) 2 × (length + breadth)	d) side × side		
	5. Which of these objects is best measured in volume			
	a) pencil	b) box		
	c) rope	d) book cover		
В.	Write the Missing Terms to Complete the Sentences:			
	1. Volume is the amount of	an object occupies		
	2. The unit of volume is always in units			
	3. Volume of a cuboid = length × × height			
	4. A cube has all its sides			
	5. A box with length 5 cm breadth 4 cm and height 3 cm has volume cm			
C.	Mark each sentence with a True (✔) or False (X):			
	1. Volume of a cube is side × side × side			
	2. A cube and cuboid have the same volume formula			

3. Volume is measured in square units	
4. Volume tells how much space an object takes up	
5. 1 cm³ is the same as 1 m³	

D. Figure out the answers to these questions:

- 1. Find the volume of a cuboid with length 6 cm breadth 5 cm and height 4 cm.
- 2. A cube has side 7 cm Find its volume.
- 3. A water tank is 10 m long 4 m wide and 3 m high What is its capacity in m³.
- 4. A wooden block has volume 120 cm³ If its length is 6 cm and breadth is 4 cm find the height.
- 5. A cube has a volume of 216 cm³ What is the length of its side.

E. Challenge yourself with these questions:

- 1. A box has length 15 cm breadth 10 cm and height 5 cm Find its volume.
- 2. A cuboid fish tank is 50 cm long 30 cm wide and 25 cm high Find how much water it can hold.
- 3. A cube has a side of 9 cm Find its volume.
- 4. Find the volume of a cuboid with length 12 m breadth 6 m and height 2 m.
- 5. A container has a volume of 1000 cm³ If its length is 10 cm and breadth is 10 cm find the height.