



## Rosary School \ Marj Elhamam

Name: Answer Key  
Subject: Practice worksheet (5) / chapter (4)

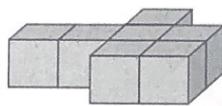
Date : / 11 / 2025  
Grade : 5 ( )

### 3D Shapes, Volume and Capacity

#### 4.A Identify, Describe and Sketch Compound 3D Shapes

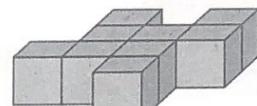
Q1. How many cubes are these 3D shapes made up of?

(a)



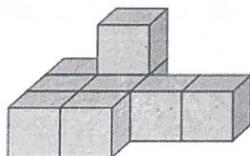
7 cubes

(b)



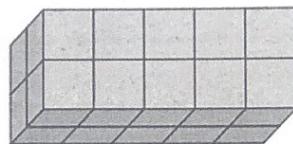
9 cubes

(c)



9 cubes

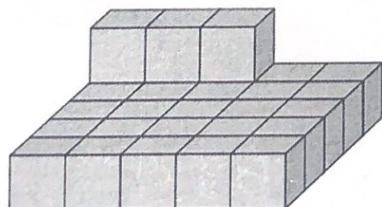
(d)



20 cubes

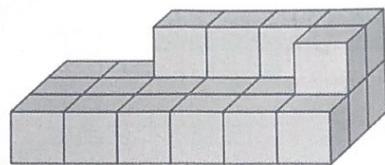
Q2. Write the least number of cubes needed to turn each 3D composite shape into a cuboid.

(a)



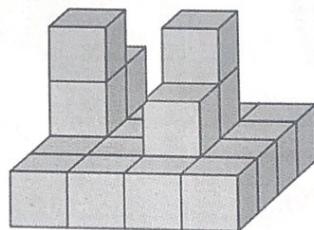
22 cubes

(b)



13 cubes

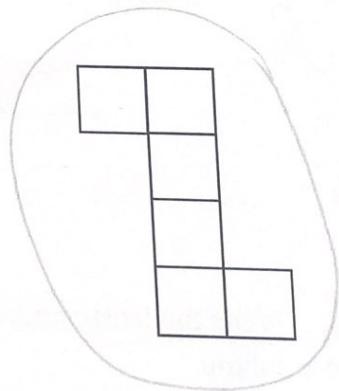
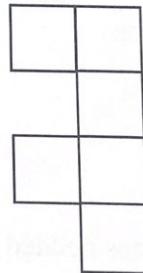
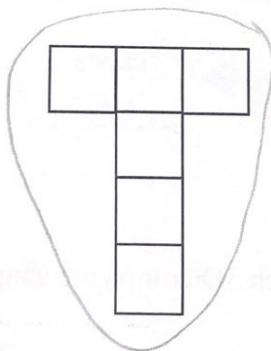
(d)



26 cubes

#### 4.B Identify and Sketch Nets of 3D Shapes

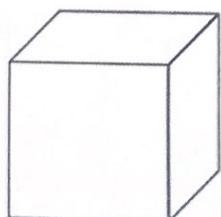
Q1. Circle the nets of a cube.



Q2. Here is a cube.

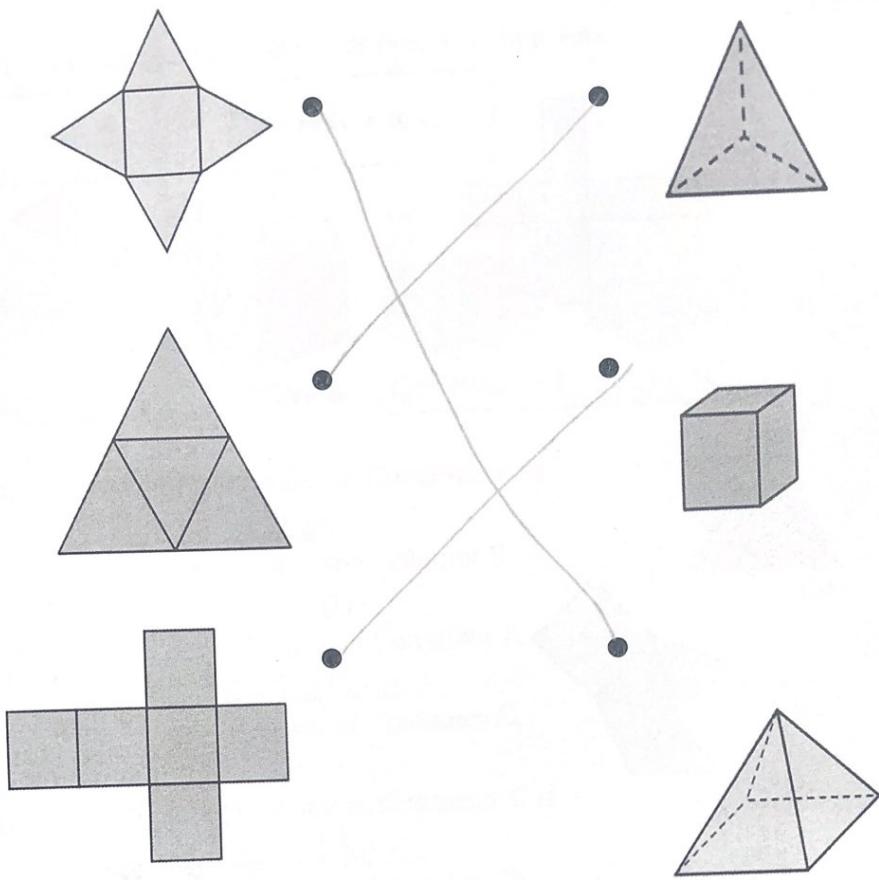
The area of one face of the cube is  $8 \text{ cm}^2$ .

Calculate the surface area of the cube.



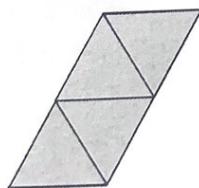
$$8 \times 6 = 48 \text{ cm}^2$$

Q3. Match.

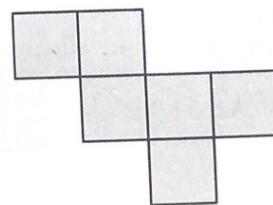


Q4. Identify the 3D figure.

(a)



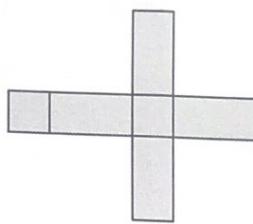
(b)



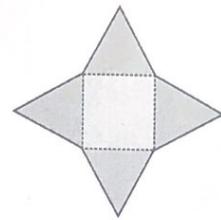
Triangle based  
Pyramid

Cube

(c)



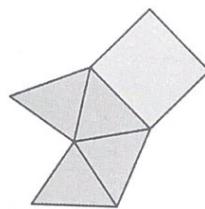
(d)



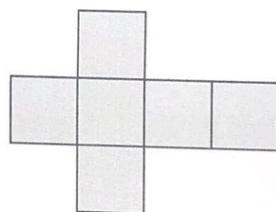
Cuboid

Square based Pyramid

(e)



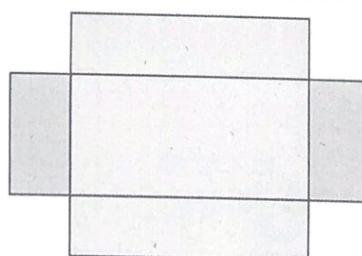
(f)



Square based  
Pyramid

Cube

**Q5.** Explain why the net below does not form a cuboid.

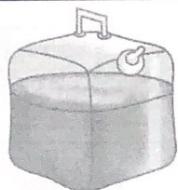


The net doesn't Form a cuboid because the cuboid has 6 faces and the net has just 5 faces.

#### 4.C Understand the Difference between Capacity and Volume

Q1. Fill in the blanks. Use the words below to help you.

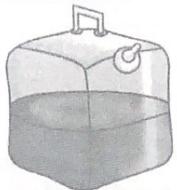
less than	greater than
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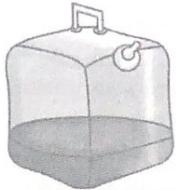
Container A



Container B



Container C



Container D

(a) The volume of water in Container A is

less than

the volume of water in Container B.

(b) The volume of water in Container A is

greater than

the volume of water in Container C.

(c) The volume of water in Container C is

greater than

the volume of water in Container D.

(d) Container B contains the greatest amount of water.

(e) Container D contains the least amount of water.

(f) Arrange the bottles in order.

Start with the bottle with the greatest volume of water.

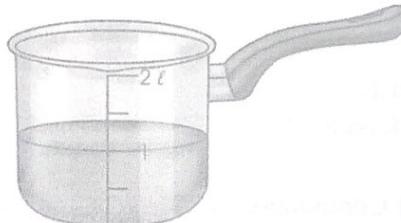
B, A, C, D

Q2. Tick ( ✓ ) to show if each sentence is possible or impossible.

	Possible	Impossible
The volume of water in a jug is 500 ml and the capacity of the jug is 1 litre.	✓	
The volume of water in a jug is 1 litre and the capacity of the jug is 600 ml.		✓
The volume of water in a jug is 600 ml and the capacity of the jug is 600 ml.	✓	

Q3. Fill in the blanks.

(a)

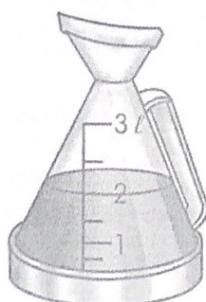


Capacity is the maximum amount of liquid a container can hold.  
Volume is the amount of liquid the container contains.

Capacity of the pot = 2 L

Volume of liquid = 1 L

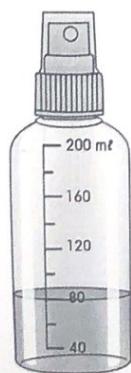
(b)



Capacity of the pot = 3 L

Volume of liquid = 2 L

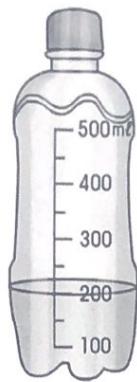
(c)



Capacity of the spray bottle = 200 ml

Volume of liquid = 80 ml

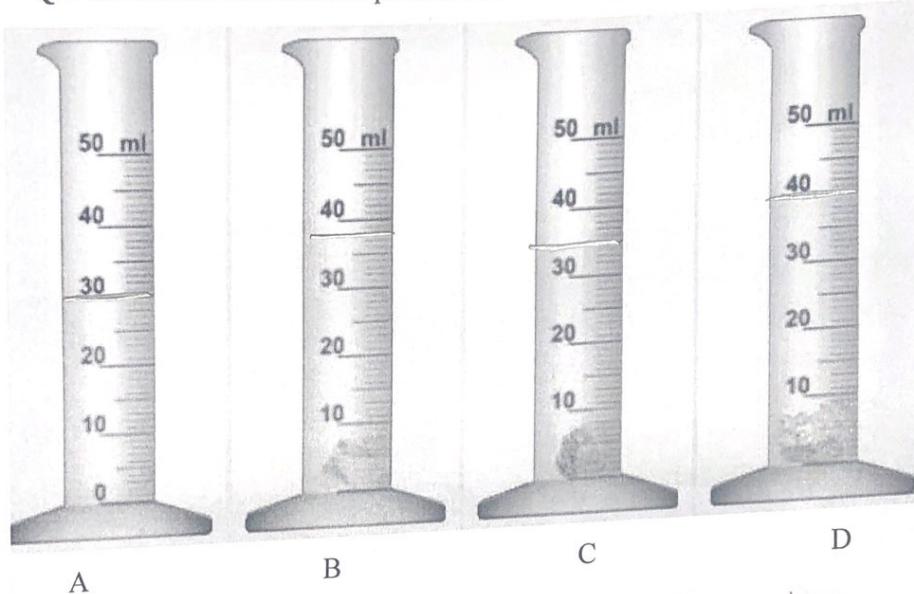
(d)



Capacity of the bottle = 500 ml

Volume of liquid = 200 ml

Q4. a. Find the volume of liquid in each measuring cylinder.



30 ml    38 ml    35 ml    40 ml

Q5. Convert.

a.  $2500 \text{ ml} = \underline{2.5} \text{ l}$

b.  $350 \text{ ml} = \underline{0.350} \text{ l}$

c.  $800 \text{ ml} = \underline{0.8} \text{ l}$

d.  $3040 \text{ ml} = \underline{3.04} \text{ l}$

MATH  
CAN  
BE  
FUN!

Teachers: Rand Haddad, Rand Haddadin, Qusie Hijazeen