



Rosary School \ Marj Elhamam

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

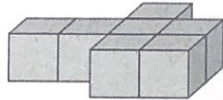
Date : / 11 / 2025
Grade : 5 ()

3D Shapes, Volume and Capacity

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

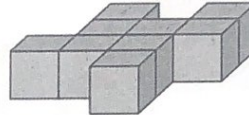
Q1. How many cubes are these 3D shapes made up of?

(a)



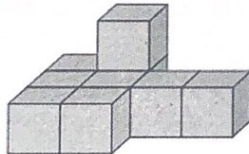
7 cubes

(b)



9 cubes

(c)



9 cubes

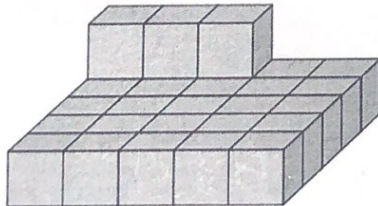
(d)



20 cubes

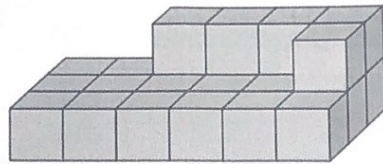
Q2. Write the least number of cubes needed to turn each 3D composite shape into a cuboid.

(a)



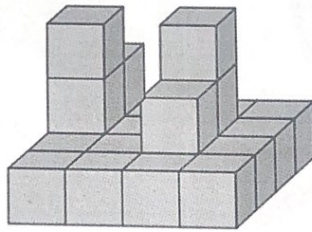
22 cubes

(b)



13 cubes

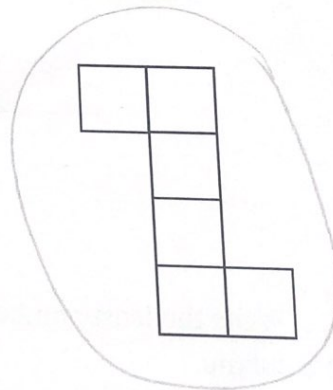
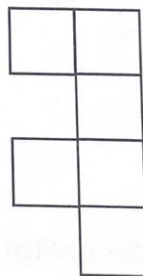
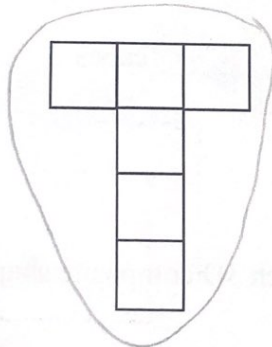
(d)



26 cubes

4.B Identify and Sketch Nets of 3D Shapes

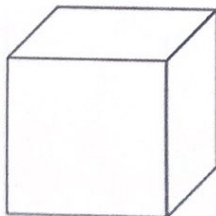
Q1. Circle the nets of a cube.



Q2. Here is a cube.

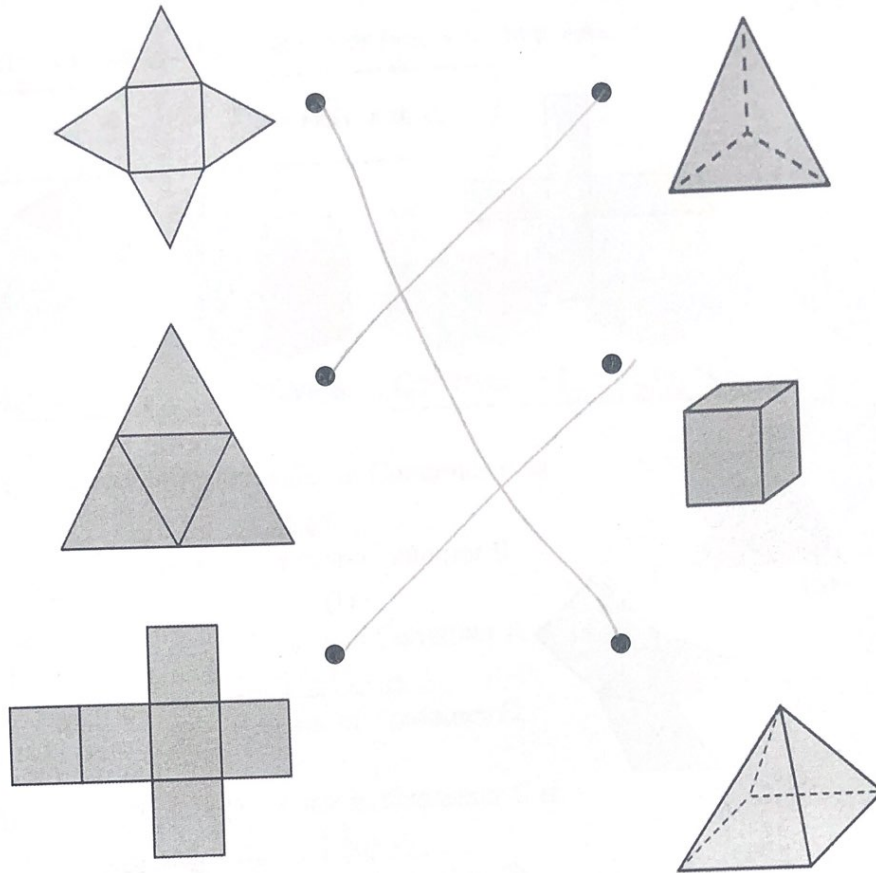
The area of one face of the cube is 8 cm^2 .

Calculate the surface area of the cube.



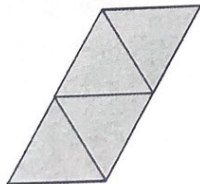
$$8 \times 6 = 48 \text{ cm}^2$$

Q3. Match.

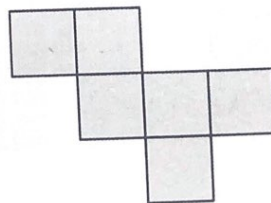


Q4. Identify the 3D figure.

(a)



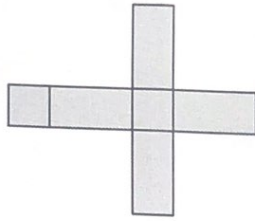
(b)



Triangle based
Pyramid

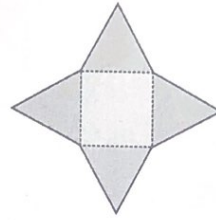
Cube

(c)



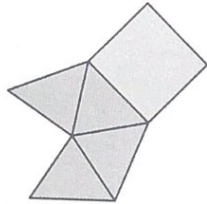
Cuboid

(d)



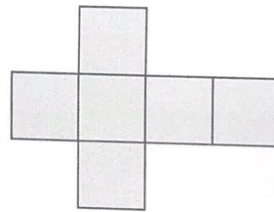
Square based Pyramid

(e)



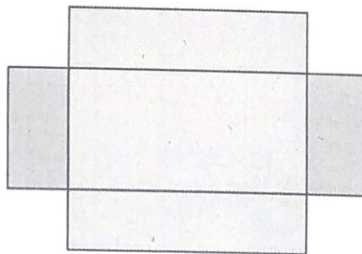
Square based
Pyramid

(f)



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.

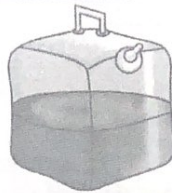
less than	greater than
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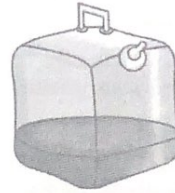
Container A



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.

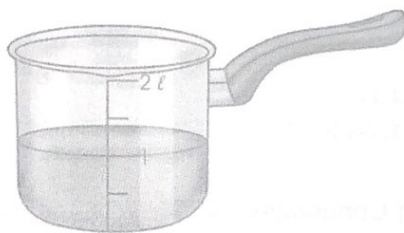
B, A, C, D

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)

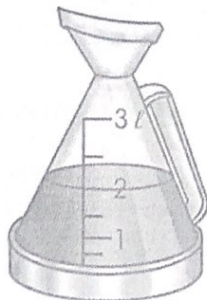


Capacity is the maximum amount of liquid a container can hold.
Volume is the amount of liquid the container contains.

Capacity of the pot = 2 L

Volume of liquid = 1 L

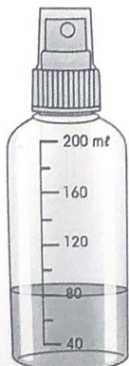
(b)



Capacity of the pot = 3 L

Volume of liquid = 2 L

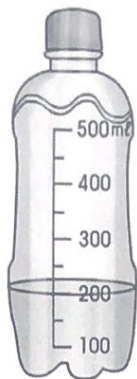
(c)



Capacity of the spray bottle = 200 ml

Volume of liquid = 80 ml

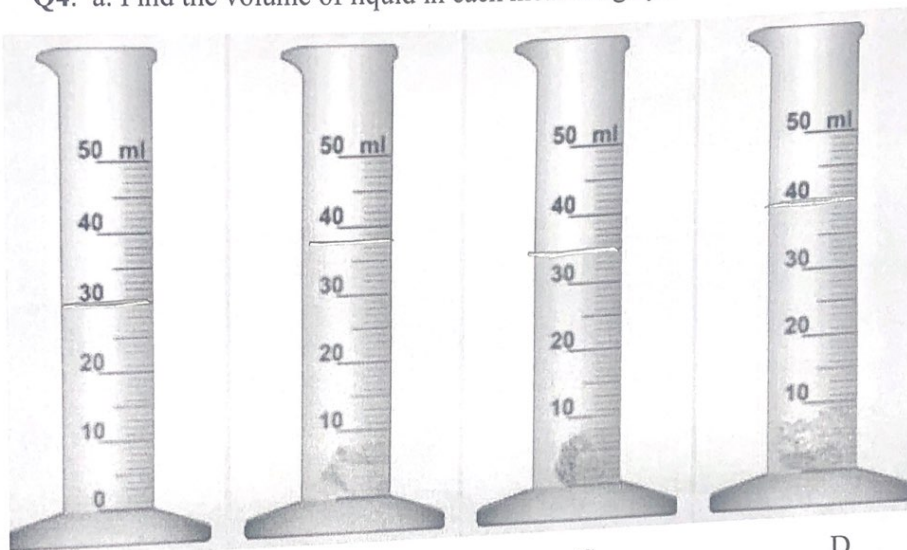
(d)



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 l = 2.5 ml

b. 350 ml = 0.350 l

c. 800 ml = 0.8 l

d. 3040 l = 3.04 ml

MATH
CAN 
FUN!

Teachers: Rand Haddad, Rand Haddadin, Qusie Hijazeen