

# VANDA SAMPLE QUESTIONS

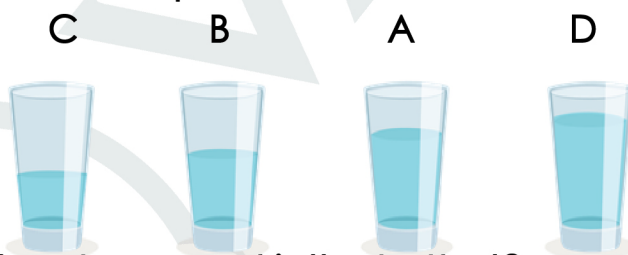
PRIMARY 5 AND 6

Question 1

A group of students wanted to know which part of the school playground is the hottest. They placed 4 similar cups with the same amount of water each.



After an hour, the students placed the cups in ascending order of the height of water in the cup.

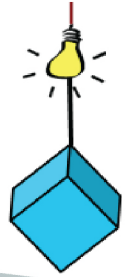


Which part of the playground is the hottest?

- a) A
- b) B
- c) C
- d) D

### Question 2

A corner of a cube is attached below a lightbulb and the light bulb is attached to the ceiling in the room. The only light sources in the room is the light bulb. What would be the best possible shape of the shadow cast on the floor by the cube?

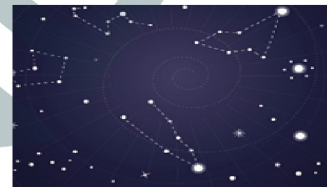


- a) Circle
- b) Triangle
- c) Square
- d) Hexagon (6-sided polygon)

### Question 3

Constellations are recognizable patterns that can be seen in the night sky like the picture on the right. What are the constellation in the night sky made up of?

- a) Stars
- b) Planets
- c) Satellites
- d) Meteorites



Answer Question 4 and 5 using the information below

A class teacher assigned 4 students to find a liquid that will take the longest time for it to evaporate. They each poured their liquids in similar cups and same volume are placed in the classroom overnight. The cups were going to be measured twice, in the morning and at noon. John decided to put in an eraser in his cup secretly just before the measurement at noon, so that he can score the highest in the assignment. The volume of the eraser placed was 0.8 cm<sup>3</sup>.



The table below shows the result:

	Morning (cm <sup>3</sup> )	Noon (cm <sup>3</sup> )
Mary	5.3	4.5
Cheryl	4.8	3.6
John	4.7	4.2
David	5.1	4.2

Question 4

Which explanation best describes John's action of placing an eraser in his cup just before measurement?

- a) The eraser decreases the temperature of his liquid.
- b) The eraser caused the liquid to shake constantly, making it difficult to take measurements.
- c) He wanted to know if his eraser would sink or float in his liquid.
- d) The eraser inside the cup will increase the volume of the liquid.

Question 5

Which student's liquid took the longest to evaporate?

- a) Mary
- b) Cheryl
- c) John
- d) David

Ans: c,d,a,d,a

