

Delhi Public School Knowledge Park - V
Greater Noida (West)

Date: December 27th, 2023
DPSKP-V/2023-24/Circular/ 232

CIRCULAR

Dear Parents,

Greetings!

W.r.t. circular no. 204, kindly find below the datesheet and syllabus for class V for the Open-Door assessment. The sample papers are also attached herewith.

Date	Day	Subject	Syllabus
29-01-2024	Monday	Mathematics (Learning Assessment)	1) Area and Volume. 2) Money (excluding profit % and loss %).
02-02-2024	Friday	Mathematics (Relearning Assessment)	
07-02-2024	Wednesday	Science (Learning Assessment)	1) Force and Energy 2) Light and Shadow 3) Earth, Sun and Moon
13-02-2024	Tuesday	Science (Relearning Assessment)	


Overall coordinator


Principal



- 1 Smriti wanted to buy a poster for her **rectangular** bedroom wall. The area of her wall is 30 m^2 . Which of the posters will she be able to stick in her bedroom?

Poster I: Length 6 m and breadth 5 m **Poster II:** Length 10 m and breadth 3 m

- (A) We cannot answer as the length and breadth of the wall are not given
(B) Both Posters I and II as their areas are same as that of the wall
(C) Only poster I
(D) Only poster II

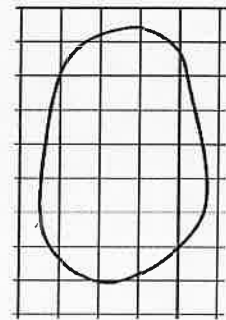
- 2 A square and a rectangle are shown in the figure. Both are to be filled completely with paint. Which shape will require a greater quantity of paint for filling?



- (A) Both will require same quantity of paint.
(B) Cannot be determined as all the sides are not given
(C) Square
(D) Rectangle

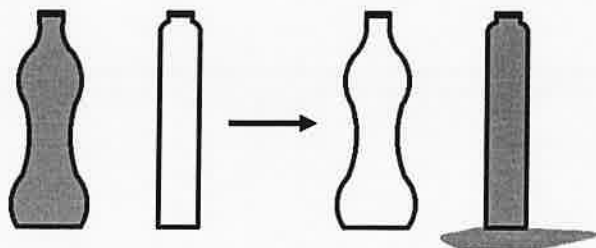
- 3 What is the approximate area of the shape drawn on the graph paper?
(Note: Each small square has area 1 cm^2)

- (A) 23 cm^2
(B) 12 cm^2
(C) 16 cm^2
(D) 36 cm^2



- 4 Laxman has 2 different water bottles; Bottle A is completely full and Bottle B is empty. When water from Bottle A is poured in Bottle B, it gets filled up completely and some water gets spilled down as shown. Which of the two bottles has a bigger volume?

- (A) Glass B has more volume
(B) Glass A has more volume
(C) We can't conclude anything

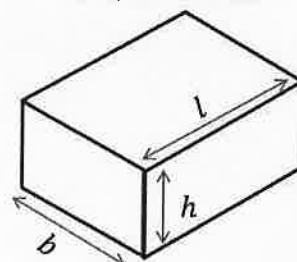


5

In the figure shown, $l = 5\text{ cm}$, $b = 3\text{ cm}$, $h = 2\text{ cm}$.
Find the volume of the cuboid.

- (A) 10 cm^3
- (B) 20 cm^3
- (C) 30 cm^3
- (D) 27 cm^3

Cuboid





1

You bought a book from a shop keeper for Rs. 20. What is Rs. 20 for you?

- (A) Cost price (B) Selling price (C) Profit (D) Loss

2

In which of the following cases, there is profit?

- I. Selling price > Cost price
II. Cost price > Selling price

- (A) Only I (B) Only II (C) Both I and II (D) None

3

Shopkeeper got a profit by the sale of a TV. The Profit is Rs. 3500. He sold the T.V for Rs. 25,500. Find the Cost Price of the TV.

- (A) Rs. 22,000 (B) Rs. 29,000 (C) Rs. 30,000

4

In which of the following cases is the Profit Rs. 10? *Note: Read all the options carefully*

- (A) Cost Price = Rs. 50, Selling Price = Rs. 60
(B) Cost Price = Rs. 40, Selling Price = Rs. 30
(C) Cost Price = Rs. 100, Selling Price = Rs. 90
(D) Both B and C

5

You went to a shop to buy pencils. The shop keeper said the following two sentences.

- I. The cost of 3 pencils is Rs 9
II. The cost of 5 pencils is Rs 12

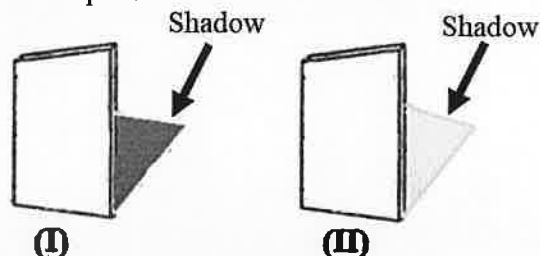
How many pencils should you buy so that you get a **better deal**?

- (A) 3 pencils (B) 5 pencils (C) Any of I and II (D) Can't say



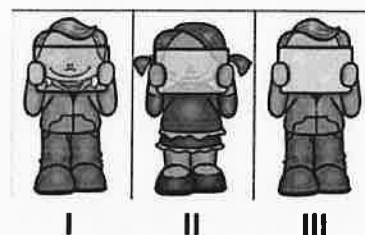
- 1 Shadows of two objects formed by identical source of light are shown below. Observe the shadows carefully and identify the type of material the objects are made up of.

	Object (I)	Object (II)
(A)	Transparent	Translucent
(B)	Translucent	Opaque
(C)	Transparent	Opaque
(D)	Opaque	Translucent

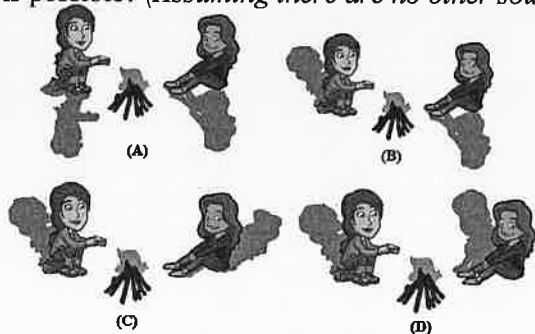


- 2 A girl and two boys are looking through objects made of different materials as shown in the figure. Identify the materials:

- (A) I- Transparent, II- Opaque, III- Translucent
(B) I- Translucent, II- Transparent, III- Opaque
(C) I- Transparent, II- Translucent, III- Opaque
(D) I- Opaque, II- Translucent, III- Transparent

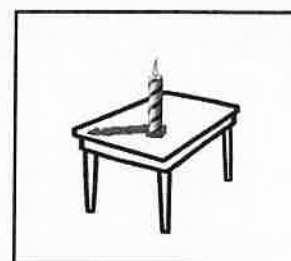


- 3 There are four photos in which people around camp fire are sitting. Which photo according to you is possible? (Assuming there are no other sources of light present)



- 4 Shown is the figure of a lighted candle and its shadow on the table inside a room. Is there any source of light, other than the lighted candle, present in the room?

- (A) Yes
(B) No
(C) Can't say



- 5 In which of the following cases will the shadow formed be seen as red?

- I. When a red ball is kept in white light
II. When a red ball is kept in red light

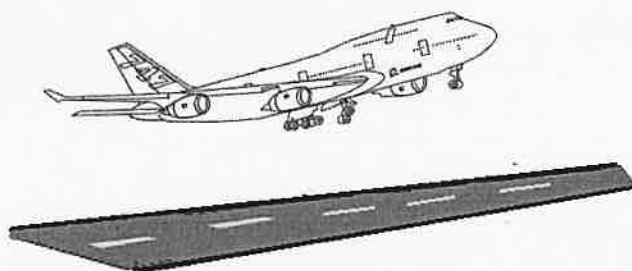
- (A) Only I
(B) Only II
(C) Both of them
(D) None of them



1 In the picture, two persons standing on the earth throw a ball as shown. Which ball will return to the earth after some time? *(Picture does not resemble to the actual scale)*

- (A) Only ball P
- (B) Only ball Q
- (C) Both the balls
- (D) None of the balls

2 An airplane has just taken off as shown. Is **frictional force by ground** acting on the airplane while it is in air?



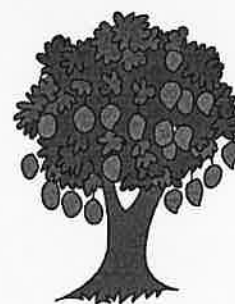
- (A) Yes
- (B) No

3 A magnet and an iron object are placed close to each other. Can the magnet make the iron object move away from it?

- (A) Yes
- (B) No

4 Consider the **mangoes** as shown in the figure. Do they possess any type of energy? If yes, what?

- (A) No, they don't possess any energy as they are attached to the tree
- (B) Yes, kinetic energy
- (C) Yes, potential energy



Which type of lever would you obtain if you interchange the load and effort of first order lever?

- 5
- (A) Second order lever
 - (B) Third order lever
 - (C) First order lever