Chapter 2: Hide and Seek

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Exercise 2.1 — Let Us Do — Where Are You Hiding?

Q1 Look at the picture and answer: a) Which game are the children playing?

SOLUTION

The picture shows children hiding in different spots while one child searches for them.
The children are playing Hide and Seek (Chhupan Chhupai).

Q2 Look at the picture and answer: b) Who is looking from the top?

SOLUTION

In Scene 4, Bholu is looking from the top — he is up in the tree looking down at the area below.
Mini is looking from the ground level in Scene 4. So Bholu is looking from the top.

Q3 In Scene 1, if Rani faces towards the hut, will she be able to see who all are hiding near the hut? Discuss.

SOLUTION

When Rani faces the hut, her line of sight is directed towards it.
She can see only what is directly in front of her — the front of the hut and anyone standing or hiding in her direct line of sight.
People hiding on the sides or behind the hut would be outside her field of vision.
So she may be able to see some children hiding near the front of the hut, but not those hiding

on the sides or at the back.

Q4 In Scene 4, can Mini see all the children playing the game? Discuss.

SOLUTION

In Scene 4, Mini is viewing from the top (a bird's eye view / top view).

From the top, she can see the whole area below her, including children hiding behind objects, trees, or walls that would be invisible from the side or front.

Therefore, Mini can see all the children playing the game from her top-view position.

Exercise 2.2 — Let Us Do — Views of a Brick

Q1 Mini, Bholu, and Rani draw the same brick. Why are their drawings of the same brick different? Discuss.

SOLUTION

Each child is looking at the brick from a different direction (position/angle).
Mini draws the top view — looking down on the brick from above.
Bholu draws the front view — looking at the brick straight from the front.
Rani draws the side view — looking at the brick from the side.
A 3-D object looks different when seen from different directions, so the same brick produces three different drawings.

Q2 Whose drawing shows the top view of the brick?

SOLUTION

Mini's drawing shows the top view of the brick. The top view is the flat wide rectangle seen when you look straight down onto the brick from above, and that matches Mini's drawing on the left.

Q3 Whose drawing shows the front view of the brick?

SOLUTION

Bholu's drawing shows the front view of the brick. The front view is the large rectangular face (showing the '7777' marks) seen when you look at the brick straight from the front, and that matches Bholu's drawing in the centre.

Q4 Whose drawing shows the side view of the brick?

SOLUTION

Rani's drawing shows the side view of the brick. The side view is the smaller, narrower rectangle seen when you look at the brick from the side, and that matches Rani's drawing on the right.

Exercise 2.3 — Let Us Do — Name the Object and Its View

Q1 Look at the pictures and name the objects. Also write which view of the object is given (9 pictures in a 3×3 grid).

SOLUTION

Row 1: (1) TV — Front view (the screen face). (2) Sofa/couch — Front view (the cushioned front face). (3) Flip-flops/chappal — Top view (seen from above, the strap outline is visible). Row 2: (4) Cup with saucer — Top view (circle with inner circle). (5) School bus — Front view (the front face with windscreen, headlights, STOP sign). (6) Chair — Side view (the profile shows one leg, seat edge, and backrest). Row 3: (7) Nut/bolt — Top view (hexagonal shape seen from above). (8) Pizza cutter wheel with handle — Front view (circular wheel with long handle extending to the right). (9) Helmet — Front view (the face-opening and visor visible).

Exercise 2.4 — Let Us Do — Match Views with Objects

Q1 Jagat and Rani have made different drawings of the same objects. Match the views (side view, front view, top view) with the objects shown.

SOLUTION

The three pairs of drawings are matched to three objects: (1) Left pair (Side view + Front view) matches the orange rectangular box/prism — because its side view is a plain rectangle and its front view is also a rectangle. (2) Middle pair (Top view + Front view) matches the green pyramid — because the top view of a pyramid is a triangle and the front view is also a triangle with a square base. (3) Right pair (Front view + Top view) matches the red cube — because both the front and top views of a cube look like a square.

Exercise 2.5 — Let Us Do — Cat Finds Jagat

Q1 Jagat's cat sees him sitting on the third desk in the first row. Mark Jagat's position in the picture.

SOLUTION

Activity — mark on the picture: Jagat is sitting on the third desk in the first row (Row 1 from the front, the third desk counting from left). In the classroom picture the third desk of the front row is the desk on the right side of the first row.

Q2 Describe the position of the blue bag.

SOLUTION

The blue bag is on the first desk (leftmost desk) of the first row (front row). Its position is: first desk of the first row.

Q3 What do you see on the middle desk of the second row?

SOLUTION

The middle desk of the second row has a red thermos (water bottle/flask) on it.

Q4 Where is the notebook kept — the first desk in the second row or the middle desk in the third row?

SOLUTION

The notebook is kept on the middle desk of the third row (the back row, second desk from left). So the answer is: the middle desk in the third row.

Q5 Draw an apple on the third desk of the second row.

SOLUTION

Locate the second row in the picture.
Count to the third desk from the left in that row.
Draw an apple on that desk.
This is an activity question — draw an apple at Row 2, Desk 3.

Exercise 2.6 — Grid Game — Bholu's Grid

Q1 Using Rani's clues, fill Bholu's 3×3 grid: Ball at the bottom left corner. Pencil in the top left corner. Eraser at the top right corner. Apple in the middle of the second row and second column. Water bottle in the third row and second column.

SOLUTION

The grid has 3 rows (Row 1 = bottom, Row 3 = top) and 3 columns (Col 1 = left, Col 3 = right).
Ball at bottom left corner → Row 1, Column 1.
Pencil at top left corner → Row 3, Column 1.
Eraser at top right corner → Row 3, Column 3.
Apple in middle of second row and second column → Row 2, Column 2 (the centre of the grid).
Water bottle in third row and second column → Row 3, Column 2.
Completed grid (Row 3 to Row 1):

Row 3: Pencil	Water bottle	Eraser
Row 2: (empty)	Apple	(empty)
Row 1: Ball	(empty)	(empty)

Exercise 2.7 — Grid Game — Treasure Hunt

Q1 Mini takes 4 steps to the right from the starting point. What does she find?

SOLUTION

Mini takes 4 steps to the right from the starting point (START). The grid shows START at the left edge. Moving 4 steps right places Mini at column 4, row 1, where the orange is placed. She finds the orange.

Q2 From the orange, Mini takes 2 steps to the left and 1 step upwards. Where does she reach?

SOLUTION

From the orange (column 4, row 1): 2 steps to the left moves Mini to column 2, row 1. Then 1 step upward moves her to column 2, row 2. At column 2, row 2, the grid shows the cat. Mini reaches the cat.

Q3 What object did Jagat think of? (Mini is still 2 steps away from it.)

SOLUTION

Mini is now at column 2, row 2 (where the cat is), and Jagat says she is still 2 steps away from his object. From column 2, row 2: going 1 step right and 1 step up (2 steps total) reaches column 3, row 3, where the mango is shown. Jagat thought of the mango.

Exercise 2.8 — Grid Game — Times-10 Treasure Hunt

Q1 From the starting point, trace the paths to reach the flower. How many steps are required for each path?

SOLUTION

The grid has START at (column 1, row 1) and the flower is at (column 4, row 4). The shortest path needs 3 steps right + 3 steps up = 6 steps. Other routes that go via different paths (e.g. right then up then right then up) also take 6 steps minimum. Any path that backtracks will take more than 6 steps. So all shortest paths require 6 steps.

Q2 From the starting point, where would you reach in a smaller number of steps: the mango or the orange?

SOLUTION

From START (column 1, row 1): the orange is at column 4, row 1 — that is 3 steps to the right (3 steps). The mango is at column 3, row 3 — that is 2 steps right + 2 steps up (4 steps). Since 3 < 4, you reach the orange in a smaller number of steps than the mango. Answer: the orange.

Exercise 2.9 — Let Us Do — Drone Around the School

Q1 Circle the places or things that you see in the drone picture and write their names.

SOLUTION

The drone picture shows a top (bird's eye) view of the school. You can see: the main school building (red-brick roof, rectangular), the green playground/courtyard in the centre, trees (round green blobs) around the boundary, the surrounding roads, boundary walls, and the entrance area. Circle and name these: main building, playground, trees, road, boundary wall, entrance.

Q2 Trace the path from the Grade 4 classroom to the stage on the sight map of the school.

SOLUTION

On the sight map, Grade IV is in the Primary Wing at the bottom-right. The Stage is in the Hall area in the middle-left. One route: from Grade IV, go left along the Primary Wing corridor → enter the Middle Wing → pass through the Classrooms area → turn left through the Hall → reach the Stage. Trace this path on the map.

Q3 How many routes were you able to find from Grade 4 classroom to the stage?

SOLUTION

Looking at the map, there are at least 2 routes from Grade IV to the Stage: (1) Through the Primary Wing corridor → Middle Wing → Hall → Stage. (2) Through the Primary Wing → around the Park → Principal Office area → Stage. Students will typically find 2 routes.

Q4 Which is the shortest route from Grade 4 to the stage? How do you know?

SOLUTION

The shortest route is the one that goes most directly: from Grade IV, straight through the Primary Wing corridor → Middle Wing → Hall → Stage. This route has fewer turns and covers less distance than going around the Park. You can compare routes by counting the number of squares/segments on the map or by placing a string along each path.

Q5 The water delivery man has turned left from the entrance. Help him reach MDM Kitchen by telling him the route. Write the directions.

SOLUTION

The water delivery man turns left from the Entrance (which is at the bottom-centre). Turning left from the Entrance leads to the Service Lane running along the bottom. Directions: Turn left from the Entrance → go straight along the Service Lane → turn right past the Primary Wing → continue along the right side of the building → MDM Kitchen is on the right side (top-right of the map). So: Left from Entrance → straight along Service Lane → right turn → straight → reach

MDM Kitchen.

Q6 Rajat is not feeling well. Which way will you choose to take him to the medical room from the library?

SOLUTION

On the map, the Library is on the left side. The Medical Room is at the top-right area (near Sports room). Route from Library to Medical Room: Exit Library → go right past the IT Room → continue along the top of the school past Parking (staff) → turn right along the top corridor → pass Sports room → Medical Room is just to the left of Sports room. This is a straightforward route along the top corridor.

Q7 After the assembly in the playground, Bholu must go to the IT room and Rani has to go to the sports room. Trace their paths. Which way is longer?

SOLUTION

Bholu goes from Playground to IT Room: Playground is at the top-centre; IT Room is on the far left. Bholu's path: from Playground go left → past Parking (staff) → turn down/south → reach IT Room on the left side. Rani goes from Playground to Sports Room: Playground is at top-centre; Sports Room is at top-right. Rani's path: from Playground go right → Sports Room is at the top-right, a short distance. Comparing the two paths on the map: Bholu's path to the IT Room is longer (spans the full width of the school from right to left). Rani's path to Sports Room is shorter (it is close to the Playground on the right). Bholu's way is longer.

Exercise 2.10 — Let Us Do (Project Work) — Draw a Sight Map

Q1 Draw a sight map to show the way from your school entrance to your classroom and any other important places.

SOLUTION

A sight map (top view / bird's eye view map) shows the layout as seen from above.

Steps to draw the map:

1. Start by drawing the boundary/outline of your school.
2. Mark the entrance at the correct side.
3. Draw the main buildings as rectangles — classrooms, office, library, etc.
4. Draw the pathways/corridors connecting them.
5. Mark your classroom clearly (e.g., 'My Class').
6. Add other important places: library, playground, canteen, medical room, etc.
7. Use arrows or labels to show the route from the entrance to your classroom.

This is a creative activity — your map should be neat, clear, and to scale as best you can.