

## **Chapter-4**

### **Shadow Story**

Let us Talk

A. Have you seen your own shadow or the shadow of a tree, a dog, a cow or any other animal? Ans. Yes, I have seen my shadow as well as shadow to animals and trees also.

B. When do we see a shadow? Ans. When the light falling on an object is blocked, we see the shadow of that object.

C. When does a shadow vanish? Ans. The shadow vanishes when the Sun is exactly over the head or when there is no source of light.

Fun with Shadows

Now put the torch light on the objects around you and observe the shapes of their shadows.

A. Will the size of shadows change on changing the position of the torch?

Ans. Yes, the size of shadow will change.

B. At what time of the day is your shadow longest?

Ans. Shadow will be longest just after the Sunrise and just before the sunset when the Sun is at the lowest position with reference to the Earth.

C. At what time of the day is your shadow shortest?

Ans. The shadow will be shortest when the Sun is almost over the head or at the noon time.

Let us

Think Write the names of objects that have the same trace as:

A. Bottle cap: Coin, Button, Small bowl

B. Eraser: Sharpner, Cheese Cube, Match box

Hide and Seek

Circle and rectangle are playing hide and seek. They all are playing together.

A. Circle can hide in the clock, ball, oranges, hanging lamps.

B. Rectangle can hide in the shoe box, photo frame, TV, doormat.

C. But Triangle and Square are confused and wonder where to hide now.  
Suggest them some places where they can hide.

- i. Triangle can hide in samosa, table lamp.
- ii. Square can hide in dice, side table.

Catch the Corner!



Look at the picture and answer the following questions.

A. Name the children standing near the corners of the table.

Ans. Udit, Paramjeet, Naysa, Seema

B. Can you tell who will clap next? Ans. Wasim

C. Where is Wasim standing? Ans. Between Paramjeet and Naysa

D. Can this game be played around a round table? Why or why not?

Ans. No, because when clapping stops child have to stop at corner and round table have no corner.





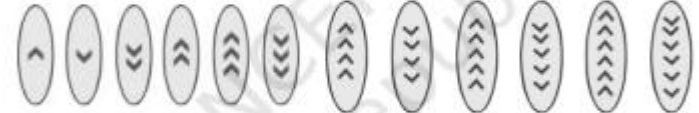


E. Name the objects around us that have straight edges.

Ans. Table, chair, cupboard, bed, books, TV.

F. Many objects around us have curved edges. Explore and share the names of such objects that you see around.

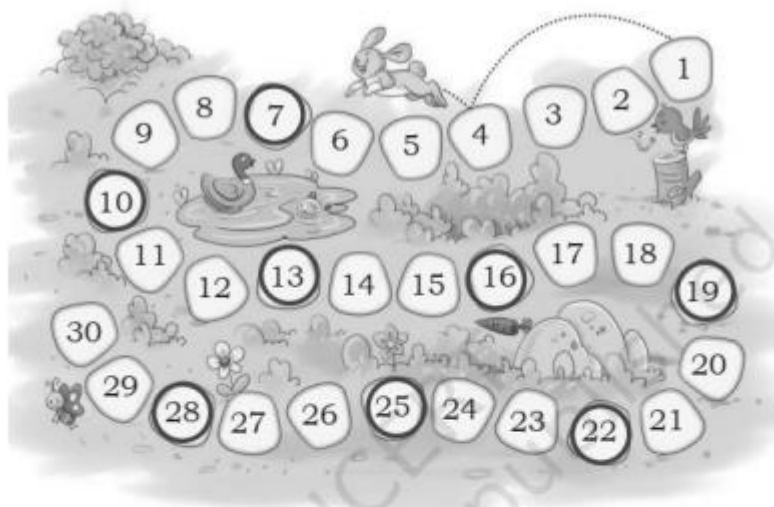
Ans. Bucket, door handle, wash basin, oranges.

**Extend the following patterns.**

- A. 
- B. 
- C. 
- D. 
- E. 
- F. 
- G. AB BC CD DE EF
- H. AA BB CC DD EE FF GG
- I. 

Kikku rabbit jumps on the 4th tile. He forgot where to jump next. Help him by drawing a circle ○ on the next tiles.

1, 4, 7, 10, 13, 16, 19, 22



Kikku's mother also jumps on the 6th tile. Help her by putting a × on the next tiles.

1, 6, 11, 16, 21, 26, 31, 36

### Let us Do

Extend the following number patterns.

A. 5, 10, 15,	20	25	30	35	40
B. 7, 14, 21,	28	35	42	49	56
C. 1, 7, 13,	19	25	31	37	44