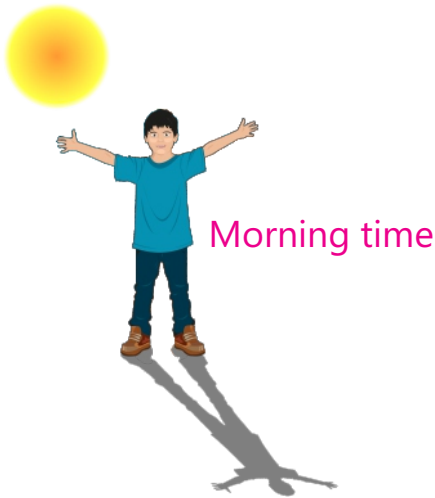




# Time, Directions and Shadows

Everyday, the sun rises from the same side - the East, and sets in the opposite side - the West. Whenever an object comes in front of sunlight, its shadow is formed. For example, in the picture, Amjad is standing in front of the sun and his shadow is cast on the opposite side. When the sun changes its position, the length of the shadow also changes.

When the sun is at lower height in the morning and evening, the shadow becomes longer.

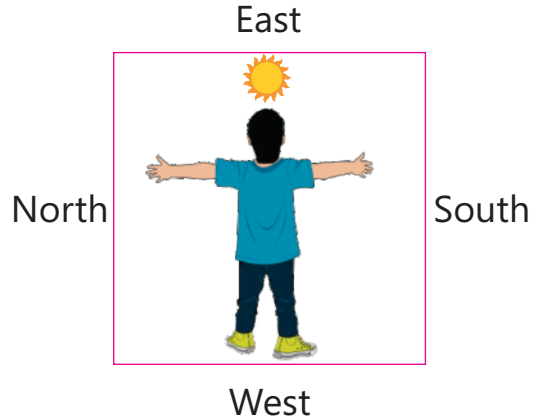


At noon, when the sun is at the top, smaller shadow is formed.



## Directions

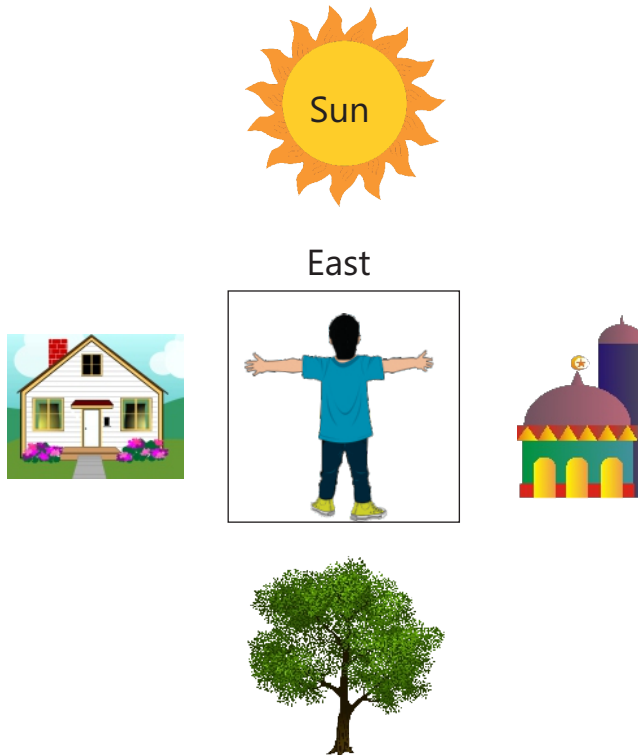
In the morning, if you face the rising sun, it means you are looking towards the East. Your back will be towards the West. Your right hand side is the South while your left hand side is the North.



**Remember:** The sun always rises in the East and sets in the West.

### Activity

In the picture, Amjad is facing the East. Name the directions in which the Masjid, house and tree are situated?



# EXERCISES

## 1. Write short answers

- (i) In which direction the sun rises daily?
- (ii) In which direction the sun sets?
- (iii) Name the different directions.
- (iv) At what times the shadows of the objects are longer?

## 2. In the given picture, match the shadows with time.

**Time**

**Shadows**

Noon



Evening



Morning



### Activity

In the picture, Amjad is facing the West.  
Name the directions on his right, left and back.

Sun

