

# Night Sky

## Exercise 14:

### Solution 1(a):

The star cluster shown in the given figure resembles the shape of a dipper used to drink water and is hence called the 'Big Dipper'.

### Solution 1(b):

There are seven stars in the Big Dipper constellation.

## Exercise 15:

### Solution 1(a):

The star cluster shown in the given figure resembles the shape of the letter 'M' or 'W' and is known as 'Cassiopeia'.

### Solution 1(b):

There are five bright stars in the constellation-Cassiopeia.

## Exercise 18:

### Solution 1:

1. The number of stars in Big Dipper is seven.
2. The shape of Cassiopeia is like letter 'M' or 'W'.
3. Pole star is always in north direction.

### Solution 2.1:

With the help of the pole star we can see the 'Cassiopeia' and 'Big Dipper'.

### Solution 2.2:

'Sirius (Vyadha)' is also known as 'Shikari'.