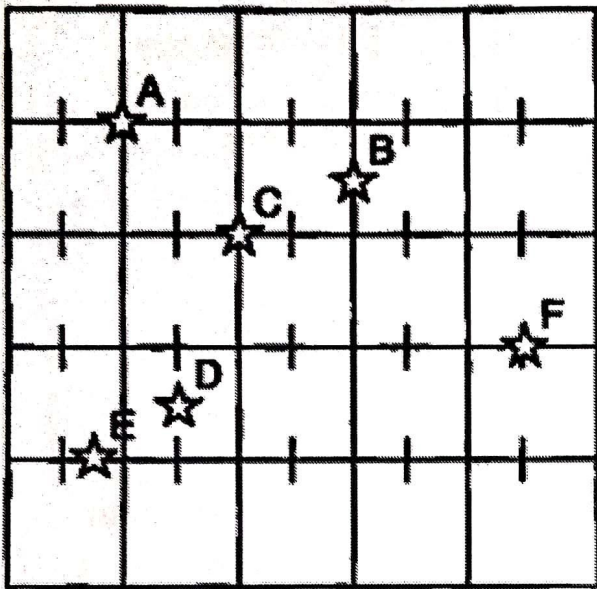
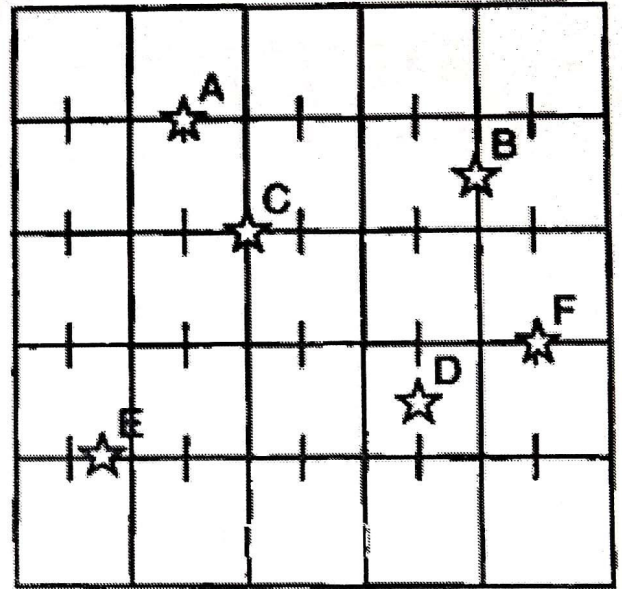


Activity A

To measure the parallax, photos of a small part of the starry sky are made by a telescope. Below there are drawings made from two photos taken from the same part of the starry sky at 6 months of interval. The whole photographic plate has a dimension of $0.5''$ (arcseconds).



MAY



NOVEMBER

1. Which stars on the photo are distant 'fixed' stars and which are nearby stars?
2. Which star is the nearest to the Sun? What is its annual parallax? What is its distance to the Sun in parsecs?
3. When star D is at 32.6 l.y. distance from the Sun, what are the distances of the stars A, B and E in l.y.?