Example 7: What is the value of azimuth angle in 8th of May at 15:45?

@ 15:00

21 April 74.2

8 May x

21 May 84.7

21May – 21April = 84.7-74.2

21May – 8 May 84.7-x

30/13 = 10.5 /(84.7-x)

4.55 = 84.7 –x

X = 84.7-4.55= 80.15= Altitude @ 15:00 in 8th May

| @ 16:00 | | | |
|---|--|--|--|
| 21 April 84 | | | |
| 8 May x | | | |
| 21 May 92.9 | | | |
| | | | |
| | | | |
| 21May – 21April = 92.9-84 | | | |
| 21May – 8 May 92.9-x | | | |
| 30/13 = 8.9 /(92.9-x) | | | |
| 3.85 = 92.9 -x | | | |
| X = 92.9-3.85= 89.05= Altitude @ 16:00 in 8 th May | | | |

| 8 th May | | |
|--|-------|--|
| 15:00 8 | 30.15 | |
| 15:45 | X | |
| 16:00 | 89.05 | |
| | | |
| 16:00 - 15:00 = 89.05 - 80.15 | | |
| 16:00 – 15:45 89.05-x | | |
| 60/15 = 8.9 /(89.05-x) | | |
| 2.225 = 89.05 -x | | |
| X = 89.05-2.225= 86.825= Altitude @ 15:45 in 8 th May | | |

| Example 8: What is the value of altitude angle in 2nd of October at 10:20 | | |
|---|--------|--|
| @ 10:00 | | |
| 21 Sep | 47.3 | |
| 2 Oct | X | |
| 21 Oct | 38.7 | |
| | | |
| 21Oct – 21 sep= 38.7- 47.3 | | |
| 21 oct – 2 oct | 38.7-x | |
| 30/19 = (-8.6) /(38.7-x) | | |
| (-5.45) = 38.7 –x | | |
| X = 38.7-(-5.45)= 44.15= Altitude @ 10:00 in 2 nd Oct | | |

| @ 11:00 | | |
|--|--------|--|
| 21 Sep | 55 | |
| 2 Oct | X | |
| 21 Oct | 45.1 | |
| | | |
| 21Oct – 21 sep= 45.1- 55 | | |
| 21 oct – 2 oct | 45.1-x | |
| 30/19 = (-9.9) /(45.1-x) | | |
| (-6.27) = 45.1 -x | | |
| X = 45.1-(-6.27)= 51.37= Altitude @ 11:00 in 2 nd Oct | | |

| @ 2 nd Oct | | |
|---|--|--|
| 10:00 44.15 | | |
| 10:20 x | | |
| 11:00 51.37 | | |
| | | |
| 11:00 - 10:00 = 51.37 - 44.15 | | |
| 11:00 = 10:20 51.37-x | | |
| 60/40 = 7.22/(51.37-x) | | |
| 4.81= 51.37 -x | | |
| X = 51.37-4.81 = 46.56= Altitude @ 10:20 in 2 nd Oct | | |
| | | |