When a compass does not have a declination set:
Map to compass - West, Add (true to magnetic)
Bearing measured on map: 45 degrees (true)
Declination 15 degrees West
Map to compass: $45+15=60$ degrees (magnetic)
Compass to map - West, Subtract (magnetic to true)
Bearing measured with Compass: 45 degrees (magnetic)
Declination 15 degrees West
Compass to map: 45-15 = 30 degrees (true)


Map to compass - East, Subtract (true to magnetic)
Bearing measured on map: 45 degrees (true)
Declination 15 degrees East
Map to compass: 45-15=30 degrees (magnetic)
Compass to map - East, Add (magnetic to true)
Bearing measured with Compass: 45 degrees (magnetic) Declination 15 degrees East


Compass to map: $45+15=60$ degrees (true)

> US/UK World Magnetic Model -- Epoch 2010.0 Main Field Declination (D)


