

TALATI'S 8TH EAST BOMBAY

COMPASS





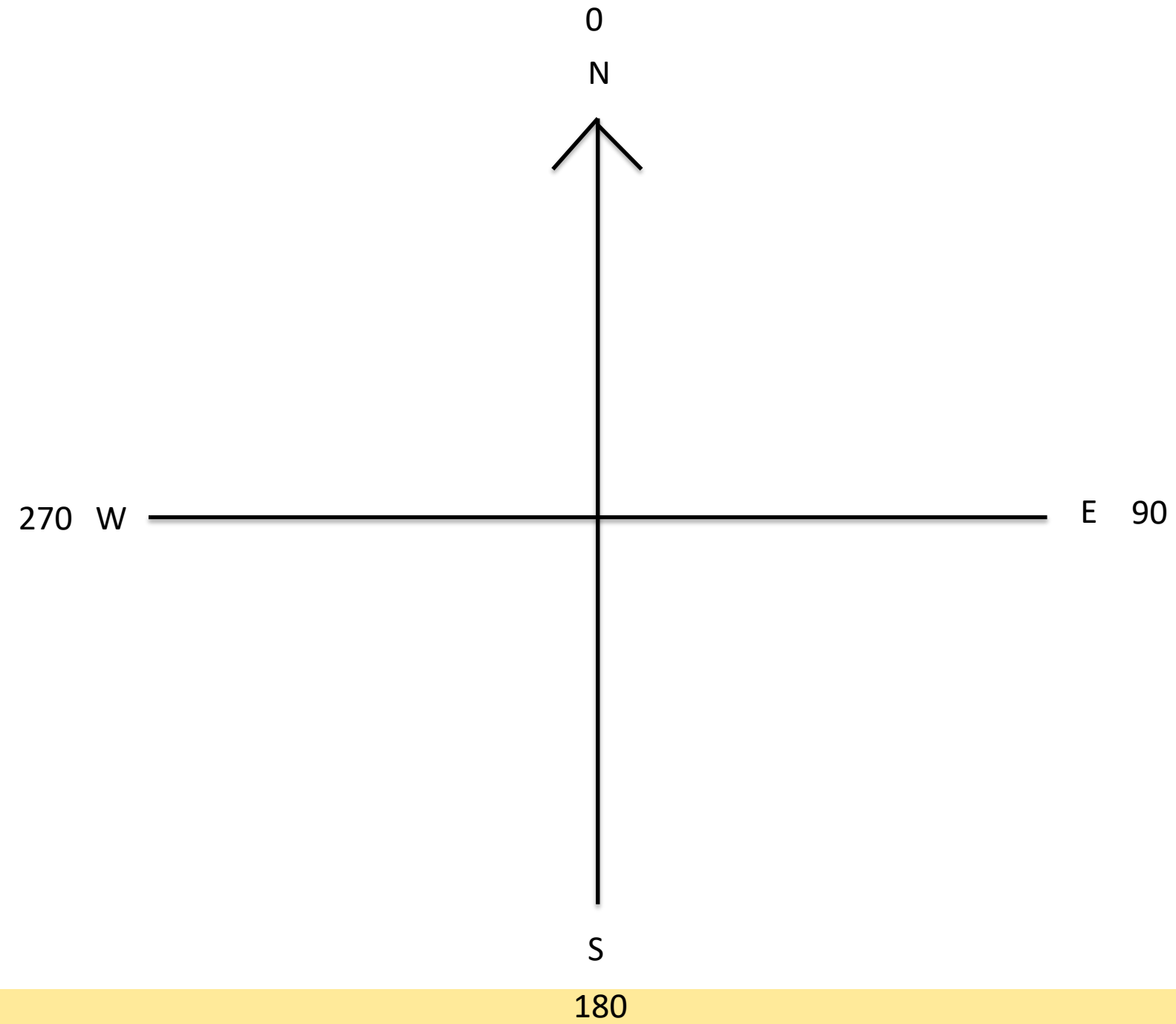
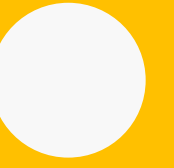
What is a Compass



- A Compass is an instrument used for navigation and orientation that shows direction relative to the geographic [Cardinal directions](#), or "points".
- The compass needle aligns with the Earth's magnetic field direction and points north-south.
- Compasses operates on the basic principle that a small, permanently magnetized needle is placed on a pivot so that it may rotate freely in the horizontal plane. The Earth's magnetic field exerts a force on the compass needle, this direction is roughly true north.
- A magnetic compass points to magnetic north pole, which is approximately 1,400 miles from the true geographic North Pole.
- *Boxing the compass is action of naming all 32 principal points of compass in clockwise order. We will learn only 16 as of now.*

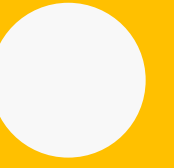


Cardinal Points

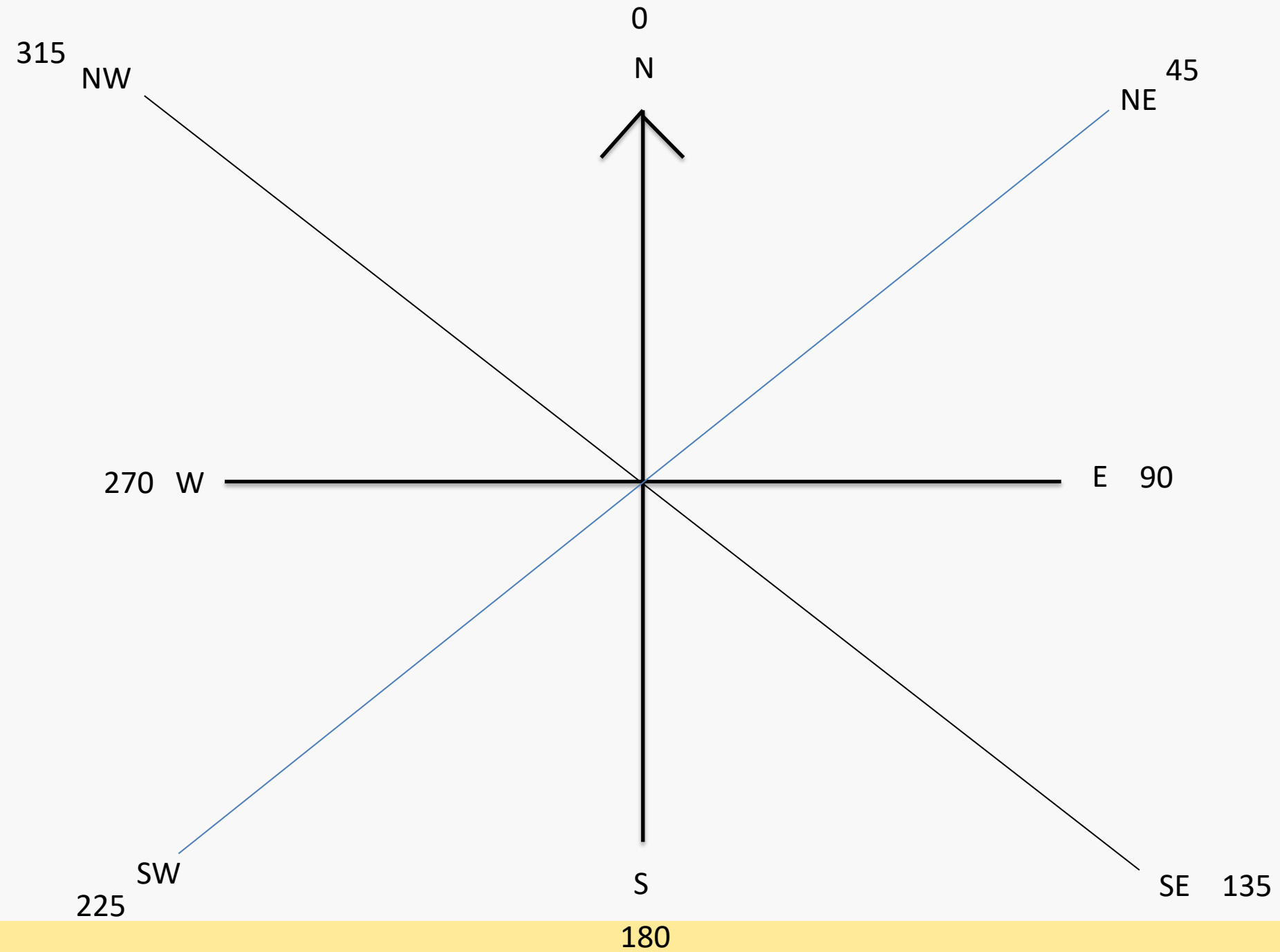




Sub (or Inter) Cardinal Points

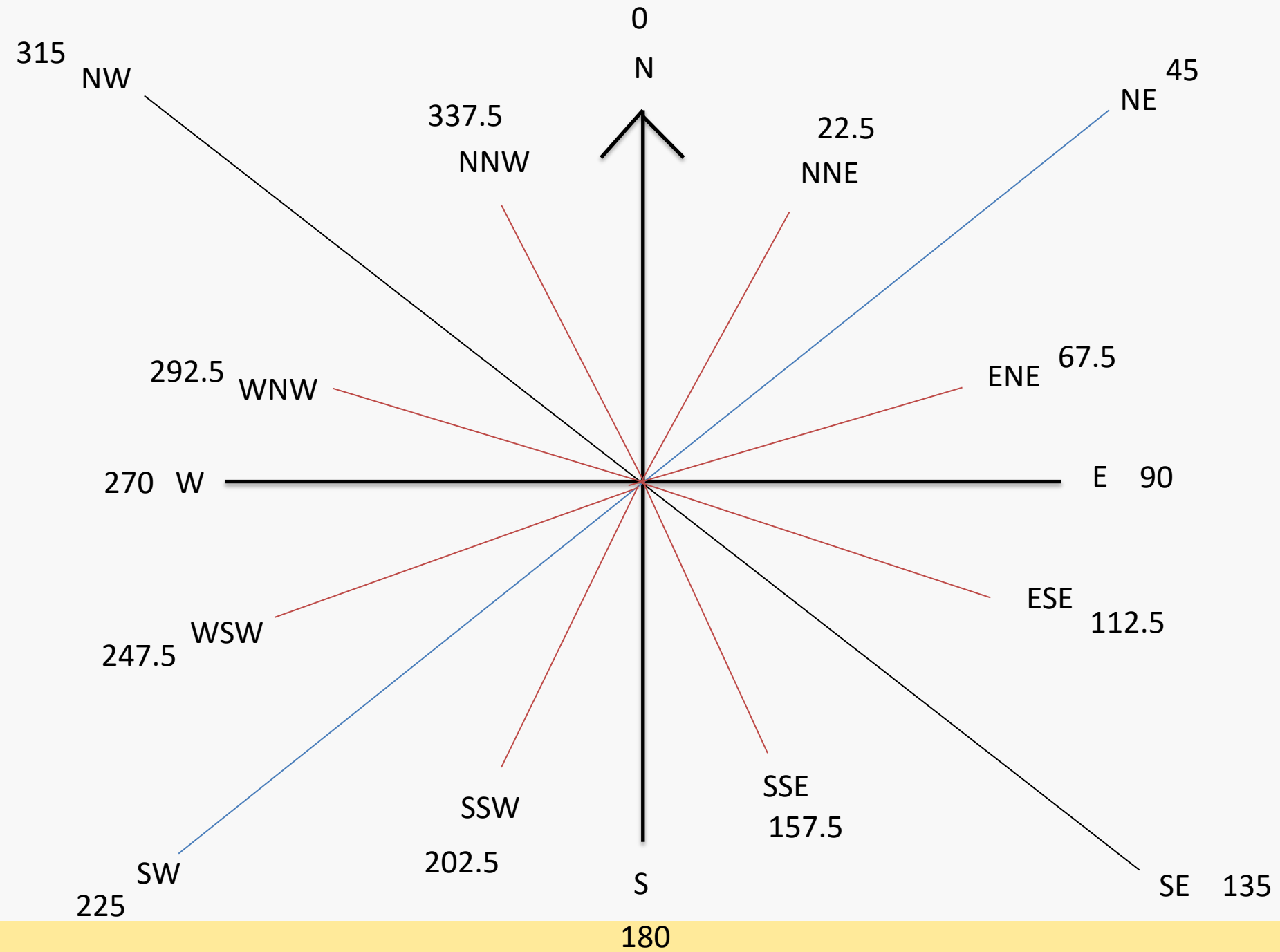
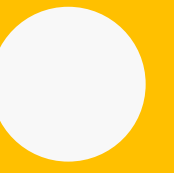


Keep adding by 45



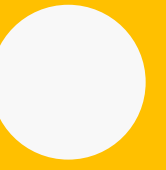


Sub Sub (or Secondary Inter) Cardinal Points





Magnetic Compass





Modern Magnetic Compass



Thank You

For Attending This Session

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