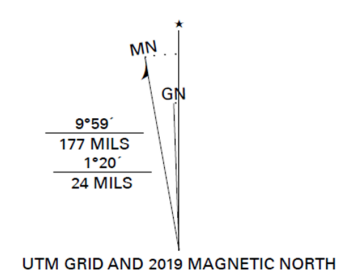
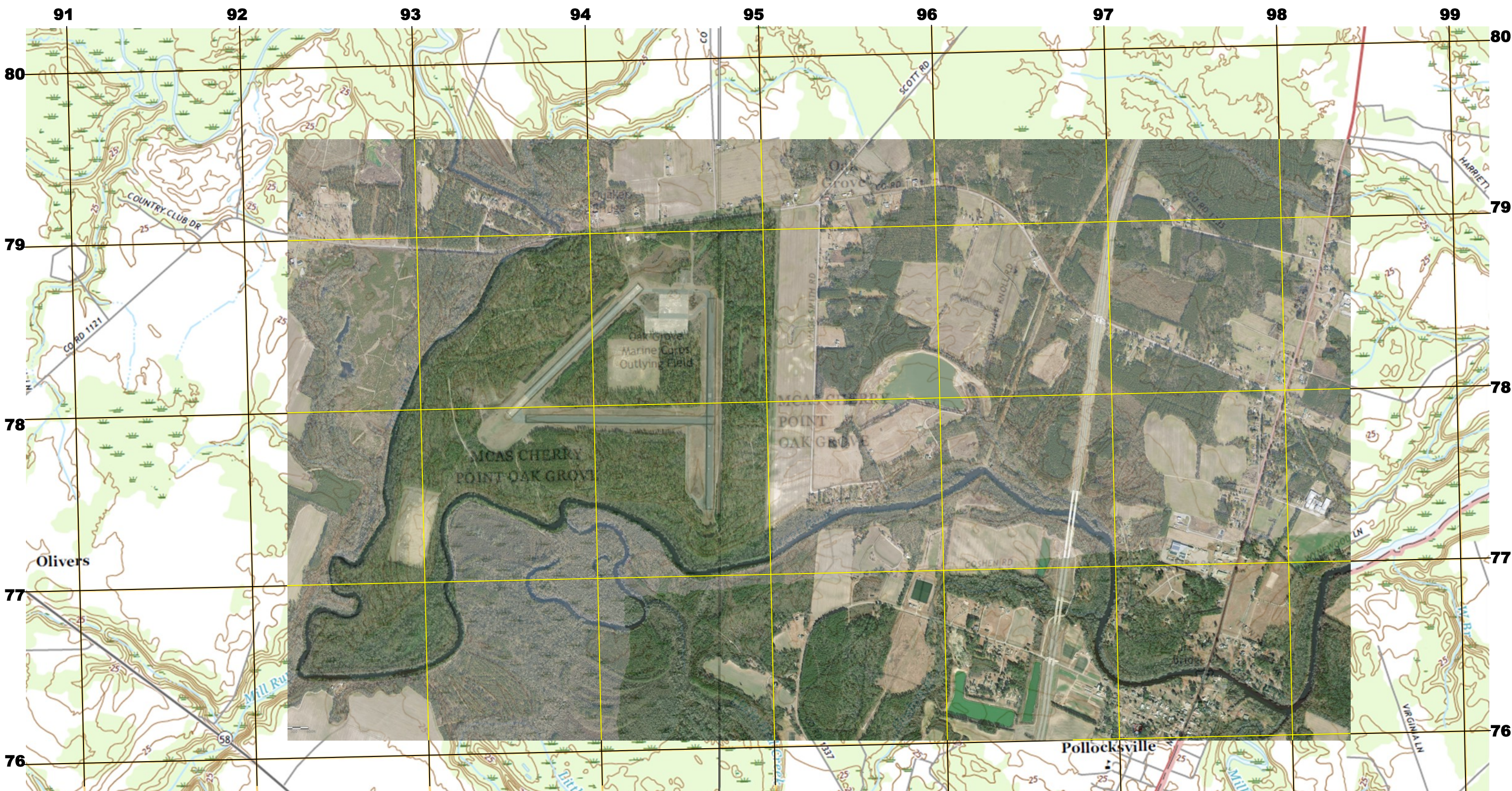


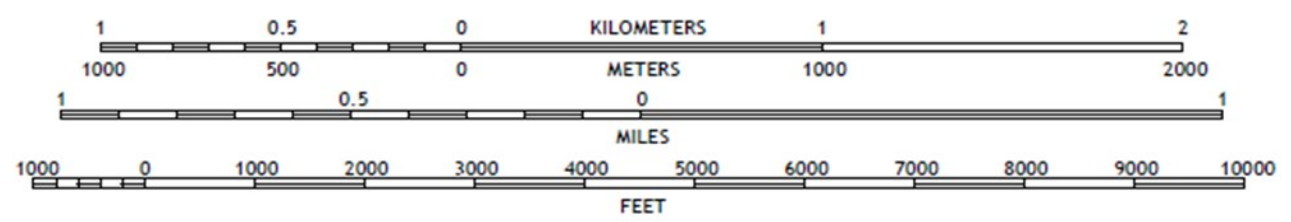
CONTOUR INTERVAL 5 FEET
 NORTH AMERICAN VERTICAL DATUM OF 1988

U.S. National Grid
100,000 - m Square ID
TD
Grid Zone Designation 18S

OAK GROVE SPECIAL EDITION



UTM GRID AND 2019 MAGNETIC NORTH



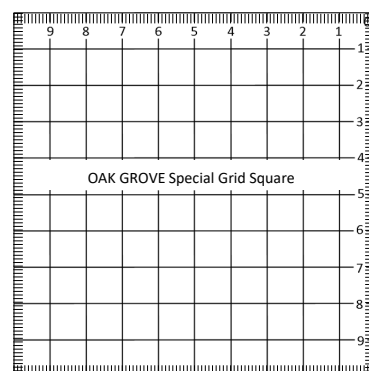
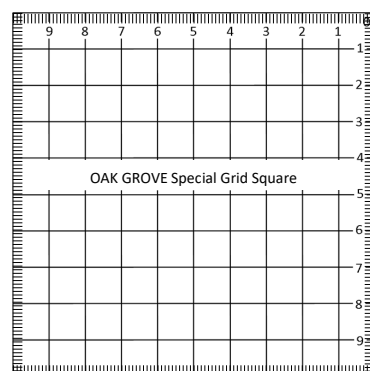
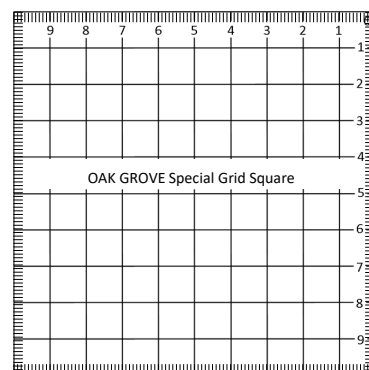
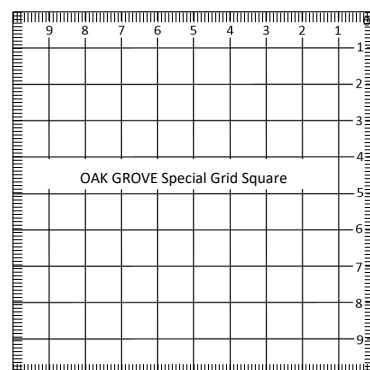
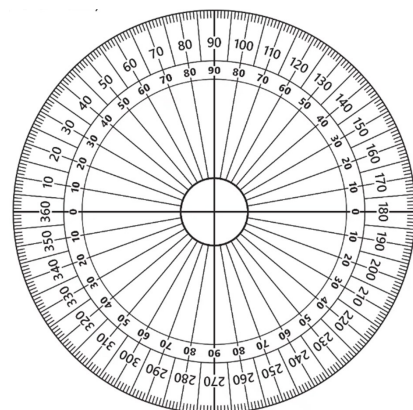
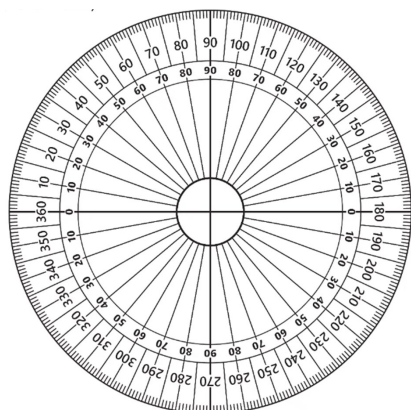
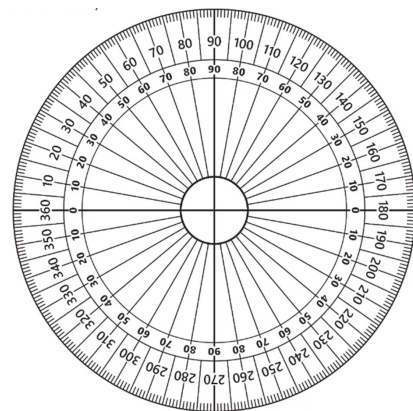
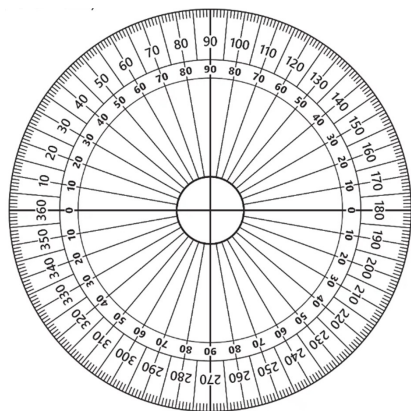
CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

U.S. National Grid
100,000 - m Square ID
TD
Grid Zone Designation
18S

OAK GROVE SPECIAL EDITION

SCOUT NAME: _____

Den: _____



Pace Count:

Pace Count 1: _____ Paces

Pace Count 2: _____ Paces

Pace Count 3: _____ Paces

Pace Count:

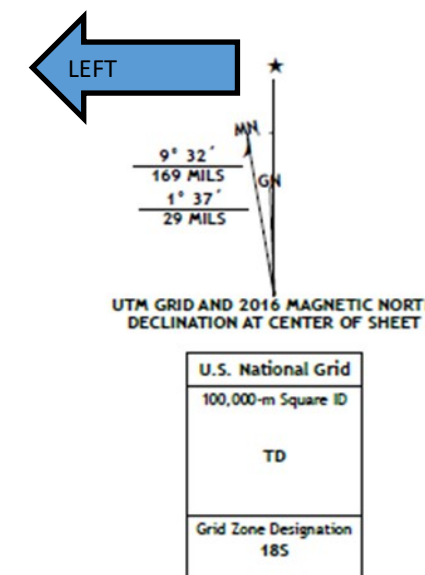
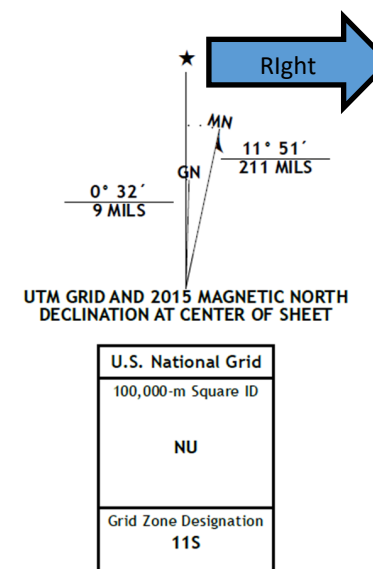
Add and divide by 3 to get average pace count:

MY PACE COUNT: _____

LARS Rule

To translate from grid to magnetic—determine angle between Grid and Magnetic North

Then add or subtract the GM angle from the Grid azimuth to get magnetic azimuth: **LEFT ADD** **RIGHT SUBTRACT**



West Coast Example:

From Grid to Magnetic—you move **right**—so:

You **subtract** GM angle from grid azimuth to get magnetic azimuth

Difference (GM Angle) is about 11.25 Degrees

Example:

Grid azimuth = 25°

Magnetic azimuth = Grid Azimuth- GM Angle

Magnetic azimuth = 25° - 11.25°

East Coast Example:

From Grid to Magnetic—you move **left**—so: You **add** GM angle from grid azimuth to get magnetic azimuth

Difference (GM Angle) is about 8°

Example:

Grid azimuth = 25°

Magnetic azimuth = Grid Azimuth + GM Angle

Magnetic azimuth = 25° + 8°

Magnetic azimuth = 33°