

Master Maths 9 Worksheet 46

True Bearings

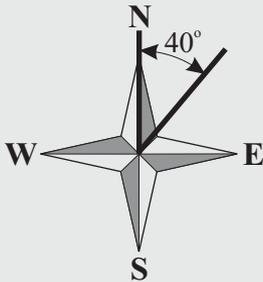
46

Name: _____

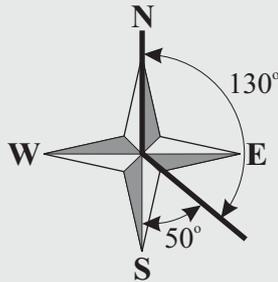
Compass directions may be given as **true bearings** ($^{\circ}\text{T}$) - the angle measured from North in a **clockwise** direction.

Examples

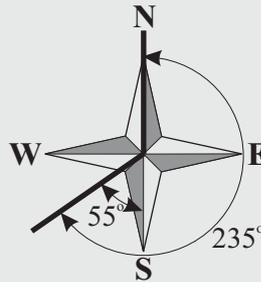
1. N 40° E = 40° T



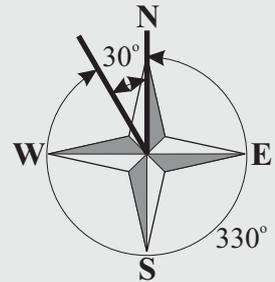
2. S 50° E = 130° T



3. S 55° W = 235° T



4. N 30° W = 330° T



1. Complete the table below showing conversions between compass directions and true bearings.

Compass Direction	True Bearing
E	
S 20° W	
W	
S 20° E	
NW	
N 84° E	
S 37° W	
S 11° E	
N 68° W	
	50° T
	135° T
	180° T
	350° T
	232° T
	156° T

2. A yacht is located at point O shown below.
- (a) Using the scale of 1 cm = 1 km and a protractor, draw the path of the yacht if it sails in the following directions.
- (i) It sails at a true bearing of 323° T for 5 km.
 - (ii) It then sails at a true bearing of 126° T for 9 km.
 - (iii) It then sails at a true bearing of 230° T until it is due south of point O.
- (b) How far is the yacht from point O?

