

Master Maths 10 Worksheet 63
Trigonometry 7 - Problem Solving

63

Name: _____

A fishing boat leaves a marina to travel to a favourite fishing spot. The fishermen need to travel 25.6 km in a direction of N $35^{\circ}17'$ W. After travelling 27.2 km the fishermen realise they had travelled in a direction of N $45^{\circ}17'$ W.

1. What direction do they need to travel to proceed in a straight line to the fishing spot?
Give answer to the nearest minute.
2. How far away is the fishing spot?
Give answer correct to one decimal place.

Direction

Distance
