

OLYMPIAD · MENTAL ABILITY · OLYMPIAD PREPARATION · FORMULA BANK

Chapter 4: Direction Sense

Every formula and result of the chapter on one sheet

1	Right turn	clockwise: N to E to S to W to N
2	Left turn	anticlockwise: N to W to S to E to N
3	Turn of 180°	gives the opposite direction
4	Morning shadow	falls towards the west
5	Evening shadow	falls towards the east
6	Distance after two legs at right angles	$\sqrt{a^2 + b^2}$
7	Common Pythagorean triples	3, 4, 5 and 5, 12, 13 and 8, 15, 17 and 7, 24, 25