

Mental Math Example 2



Average wind direction: 330° (given)

Tacking angle: 90° (given)

Average upwind headings

Starboard tack: 285° ($330 - \frac{1}{2}(90) = 285$)

Port tack: 015° ($330 + \frac{1}{2}(90) = 375$; $375 - 360 = 015$)

Square line bearing on port: 060° ($330 + 90 = 420$; $420 - 360 = 060$)

Square line bearing on starboard: 240° ($330 - 90 = 240$)

Actual line bearing is 260° when sailing on starboard.

Favored end (right or left): Right end is favored. (Square line bearing on starboard is 240° ; 260° is lower, so right end is favored.)

Degrees favored: 20° favor ($260 - 240 = 20$)