

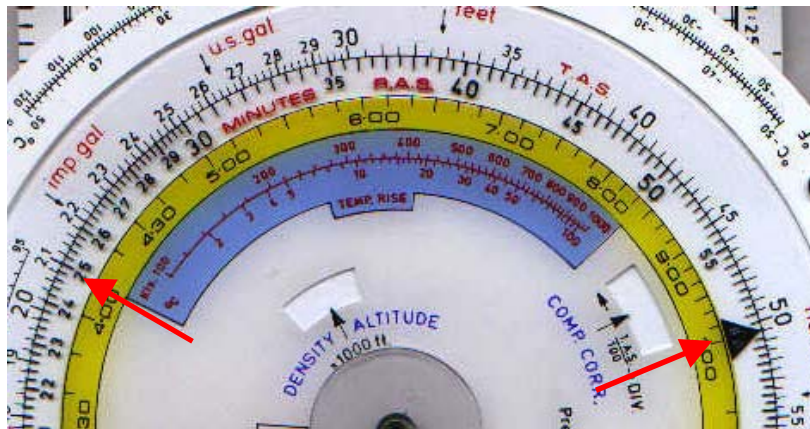
## SPEED, DISTANCE, AND TIME

To calculate any of the variables, remember that minutes are always on the inner scale. To remind the user, the inner scale has "minutes" written in red between 30 and 35. The calculations work on the factor 60. All speeds are a distance travelled in 60 minutes (i.e. one hour), so all calculations revolve around this number. The number 60 is in white, surrounded by a black triangle, to make it more prominent and as a reminder of which scale to use.

### GROUND SPEED

**Example** An aircraft flies 210 nm in 25 minutes. What is the groundspeed?

**STEP 1** Align the 25 on the inner scale against 210 on the outer scale.



**STEP 2** Read off the groundspeed against the 60 triangle. **503 knots**

### TIME

**Example** Using the same settings; at the groundspeed of 503 knots, how long will it take the aircraft to travel 210 nautical miles?

**STEP 1** Align the 60 triangle on the inner scale against 503 on the outer scale.

**STEP 2** On the outer distance scale, go to 210. Read off the time on the inner scale. **25 minutes**

### DISTANCE TRAVELLED

**Example** For a groundspeed of 503 knots, how far will the aircraft travel in 35 minutes?

**STEP 1** Align the 60 triangle on the inner scale against 503 on the outer scale.

**STEP 2** On the inner minutes scale, go to 35. Read off the distance travelled on the outer scale. **294 nautical miles**

Fuel consumption, fuel flow, and time calculations are performed in the same manner.