



## ROUTE EXPLANATION

### LEG 8

#### TC53 to TC54

#### Novice

TC 53 (219683→WNW) to TC 54 (19306945)

CRO

Pass through 5 spot heights with an average value of 145

#### Expert

TC 53 (219683→WNW) to TC 54 (19306945)

CRO

Pass through spot heights with an average value of 145

Similar, but not identical, instructions for both classes, and both are given the target TC location. The number of spot heights to be passed through adds quite a bit of information for the Novices. The best approach is to use that additional information to turn this into a spot height total search. 5 spot heights with an average of 145 means the spot height total is 725.

When you plot TC54 you can also work out that the direction of approach has to be from the NNE. So 136 is one of the spot heights which you will pass. You should also notice that the spot heights in the area between TC 53 and TC54 are mostly lower than the 145 average, so you are going to have to find some which are higher, to get the average back up. That should lead you via the 176 and 146 around the loop to the NE of TC53. If you also include those two in your route, you now have three spot heights totalling 458.

So you need another two which add up to 267. You might be attracted to the 135 and 132, but if you choose that route you have to use a short section of road which you have already used on this section, just south of the crossroads. Fortunately(!) there is another pairing, 151 and 116 which also meet the required arithmetic and don't involve using a road more than once (turning right twice at a crossroads being permitted in the Regs).

The Expert challenge is more difficult without knowing the number of spot heights to be passed. The round number average doesn't give any clues (e.g. an average of xx.5 would tell you that there are an even number of spot heights involved), but a spot height total is still the way to go and you can start by working out what the totals would be for say 2 through 6 spot heights.

Experts also have the TC location so they too know that 136 is one of the spot heights, and the same requirement to get the average higher should also lead them to 176 and 146.

And if you spot that after 146 you have to turn right at the crossroads, that also gives you 151 making 4 spot heights with a total of 609 (and an average of 152.25). So you are not there yet and are now looking for one more SH of 116 value, or two with a total of 261 to get to your 5 and 6 totals.

You are unlucky if you spot the 132 and 129 first, but your (frustrated) search for a route through them should bring you to the 116, and hopefully before you have forgotten that that single SH also works.

