

Mission: Disaster Relief

A surveyor and his assistant are surveying the topography in a deep vertical cave that opens up to huge cavern.

The surveyor has just suffered a heart attack so the Search & Rescue Team are called to air lift him out. The surveyor assistant measures the angle to the top of the cave opening to be 61° . He then moved towards the vertical wall opening for a distance of 10m. From this closer point, the angle to the top is 71° .

- The pilot of the helicopter needs to know the depth of the cave, to the nearest hundredth of a metre, to safely extract him out.

