

## Y9 Lesson 2 Solutions

### Modelling the Earth's Surface

- 1) This question tests understanding of speed, distance and time as well as bearings and sketch diagrams.
  - a) *Sketch*
  - b) *Distance = 13km by Pythagoras' Theorem*
  - c) *It will start raining at 11:10:50*
  - d) *The bearing of Exeter from Exmouth is 337°*
  
- 2) This question develops the understanding of speed, distance and time and bearings.
  - a) *Sketch*
  - b) *Sketch*
  - c) *CB = 86.6km, CO = 50km*

### Predicting the Temperature

- 3) This question involves graph plotting.
  - a)  $y = 25, 9, 7, 6.33, 6$
  - b) c) d)  $7.9^{\circ}\text{C}$  e) 3h

### Temperature Cooling with Time

