Situation report

Ο

Copy and cut up to make packs of cards









To find the total distance travelled by an Alien, add the morning distance to the afternoon distance.

- 1 Which Alien has travelled furthest?
- 2 One teacher says:

'Aliens in the shaded region on the graph have become very dangerous.'



What is the least total distance that an Alien travels to become very dangerous?



4 A third teacher says:

'In general, the Aliens travelled further in the morning than in the afternoon. They must be getting tired.'

Morning distance (m)

Do you agree with the teacher? Explain your answer.

50

0

0

50

100

150

200

250



The spaceships came down rapidly through the atmosphere until they were over Manford City. They hovered overhead for several minutes before descending slowly to the ground.

Task B

2 This graph of the bus journey from school to Manford Car Park shows the distance travelled.



This graph of the same journey shows the amount of fuel in the petrol tank of the bus.



- a What time was it when the bus reached the Car Park in Manford?
- b Between what times did the bus have less than 20 litres of fuel in its tank?
- c The driver bought petrol at the Motorway Service Station and the Car Park Garage. At which of these did he buy more fuel?
- d Estimate the total amount of petrol that the bus driver bought.
- e How much petrol did the bus use over the entire journey?