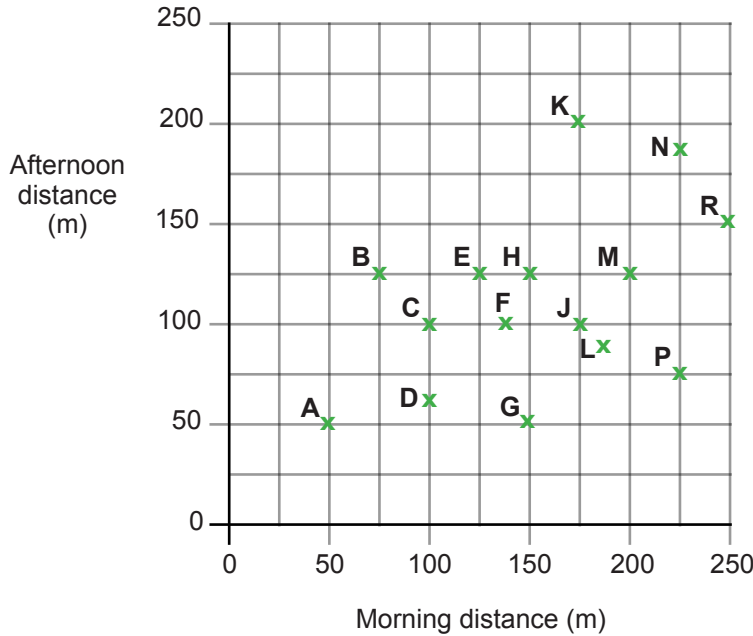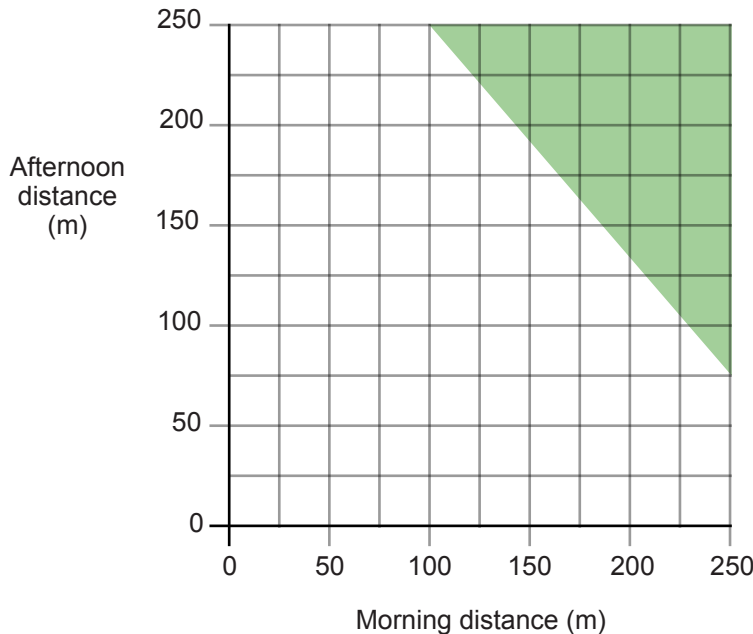**Supplementary problem 3**

The scatter graph shows how far 15 Aliens have travelled from their space ships.

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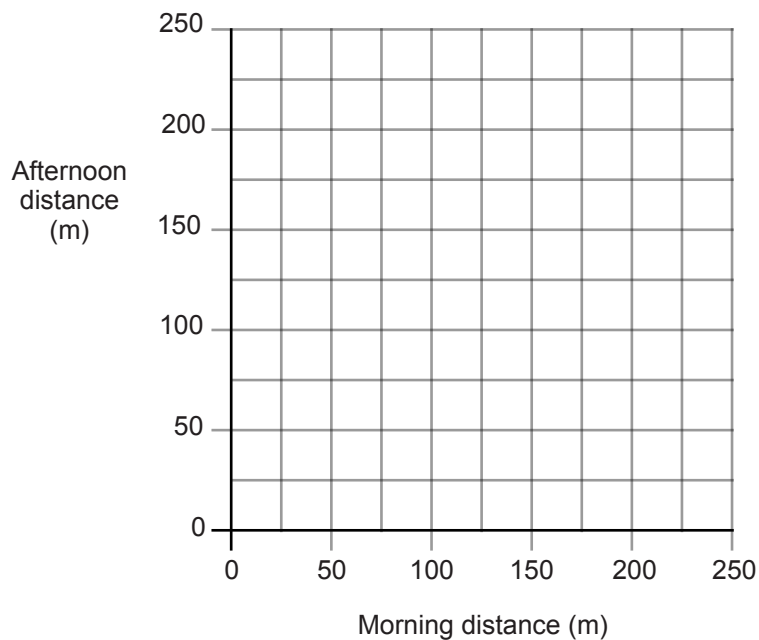   'Aliens in the shaded region on the graph have become very dangerous.'

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

Supplementary problem 3 (continued)

3   Another teacher thinks differently. This teacher says:

'Aliens become very dangerous when
the morning distance is 125 metres or more, and
the afternoon distance is 125 or more, and
the total distance is 325 metres or more.'

On the graph below, shade the region that shows when Aliens become very dangerous.

Afternoon distance (m) vs Morning distance (m)

4   A third teacher says:

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

Do you agree with the teacher?
Explain your answer.