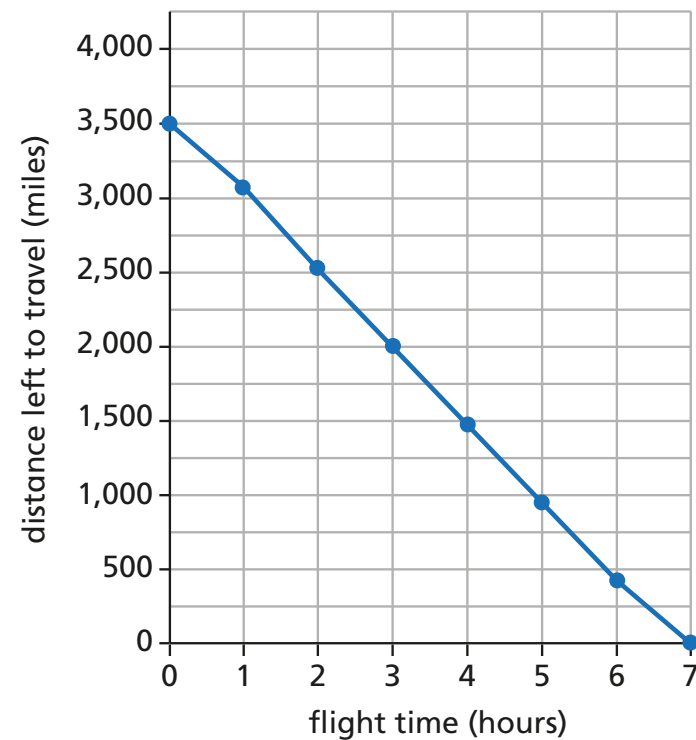


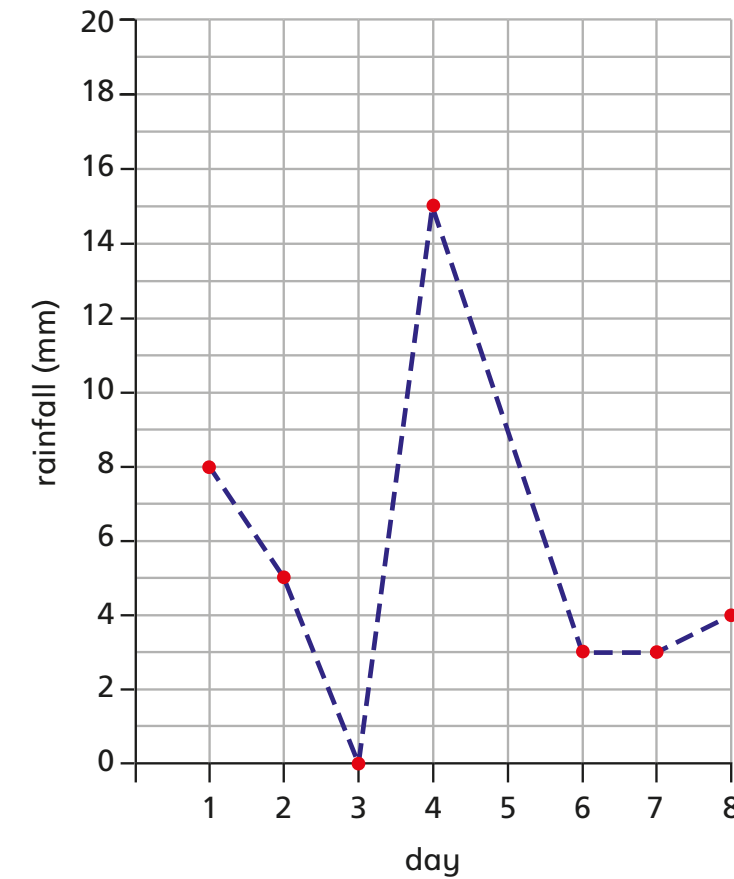
Use line graphs to solve problems

- 1 This graph shows how many miles an aeroplane has left to travel each hour on its journey from London to New York.



- a) How many hours is the flight?
- b) How many miles is the journey from London to New York?
- c) After 4 hours, how many more miles are left to travel?
- d) How long does it take to fly the final 1,000 miles?
- e) How many miles does the plane travel between 2 hours and 4 hours into the flight?
- f) Estimate how far the plane has travelled after 3 hours and 30 minutes.

- 2 The graph shows the rainfall in the first 8 days in October.



- a) How many millimetres of rain fell on the 7th October?
- b) It rained every day in the first 8 days in October.

Is this statement correct? _____

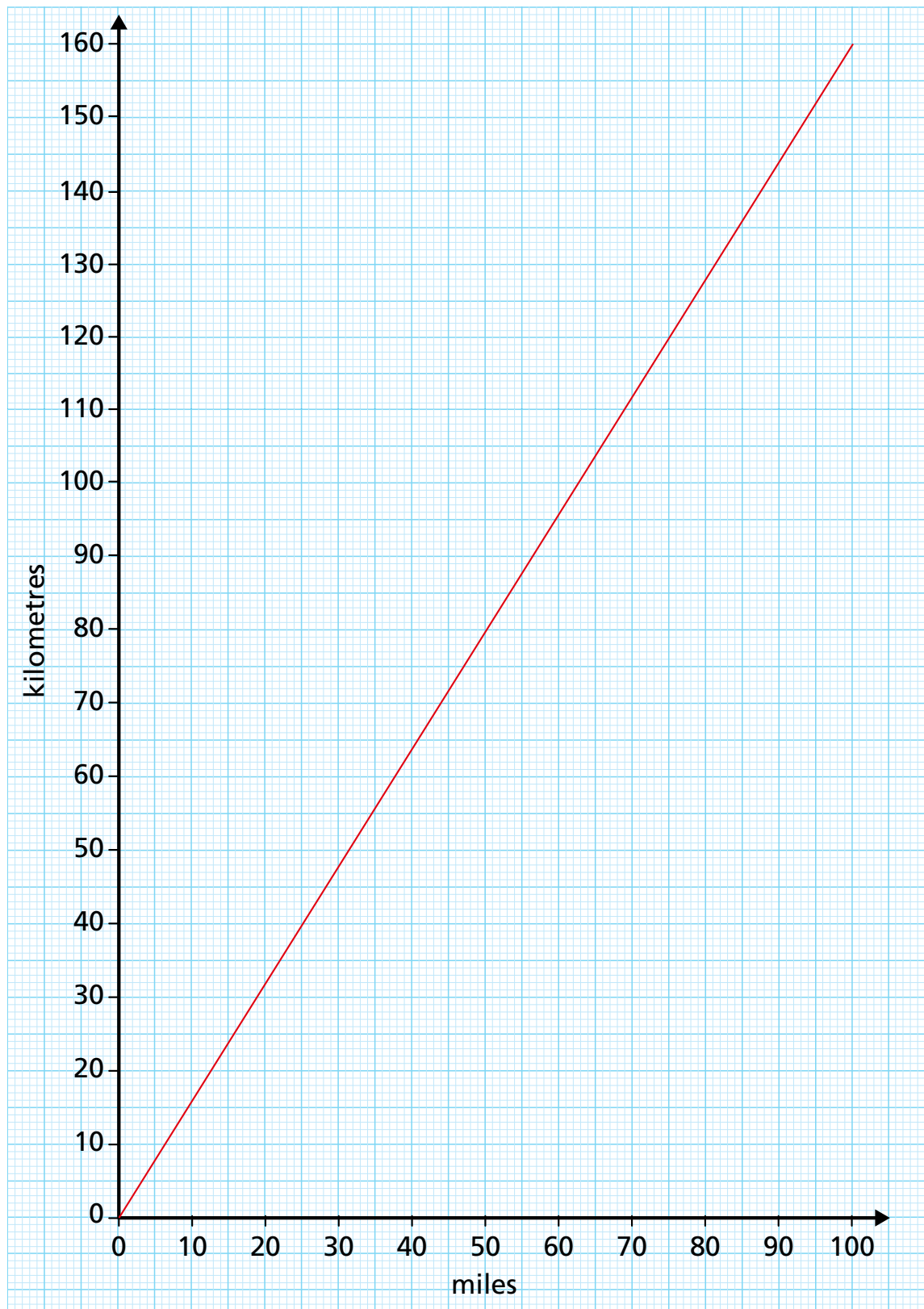
Explain your answer.

- c) The record amount of rainfall for October is 2.5 cm

Has a new record been set? _____

Explain your answer.

3 This graph shows the conversion between miles and kilometres.



a) How many kilometres are there in 50 miles?

b) How many miles are there in 130 km?

c) Explain to a partner how you worked out the answers to part a) and b).



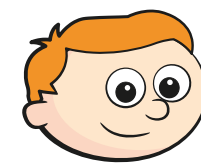
d) Eva cycles 60 miles.

Dexter cycles 80 km.

Who cycles the furthest? _____

How much further does the person cycle?

e) Ron wants to convert 800 km into miles.



I can't do it because my graph doesn't go high enough.

Ron is incorrect. Explain why.

Complete the conversion.

Show your working.

800 km = miles

f) A high-speed train can travel up to 400 km in an hour.

How many miles can it travel in an hour?

