Reading Scales on a Line Graph Worksheet

Mathematics
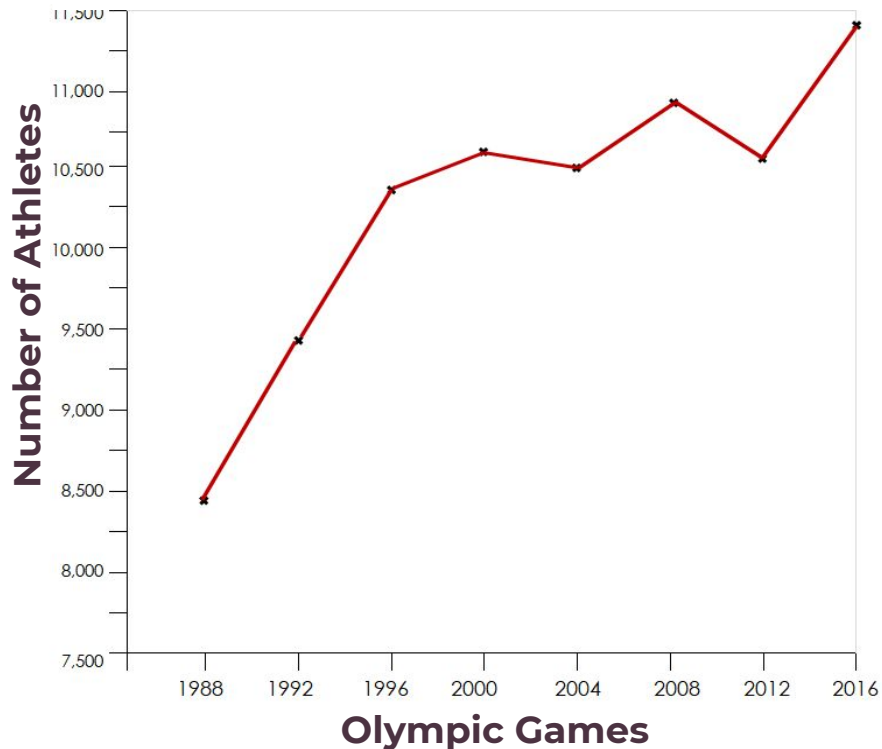
Mr Ward
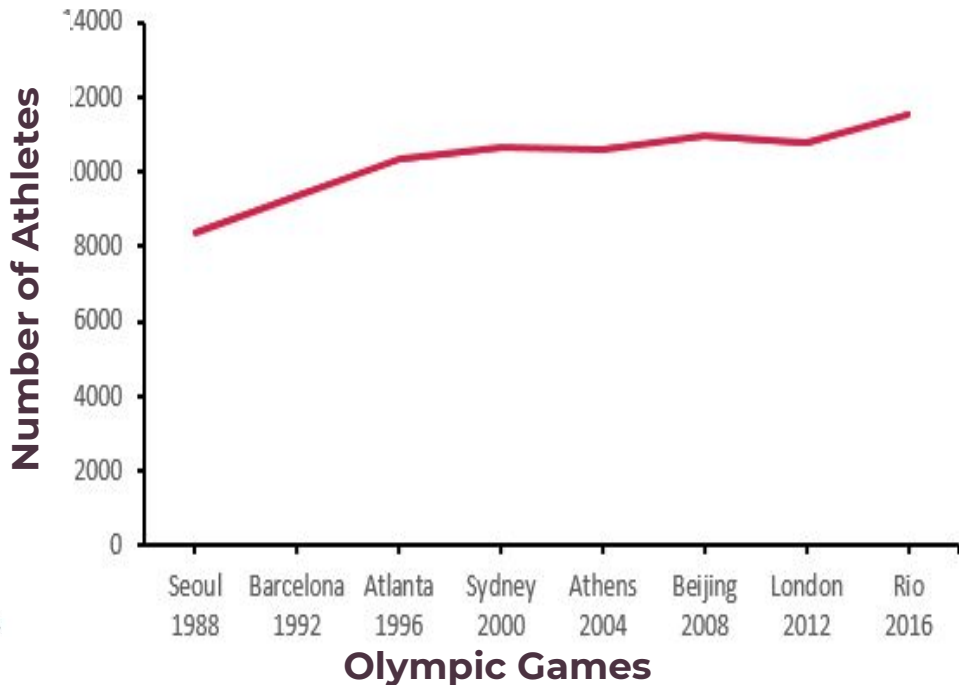
Talk Task

Compare the two line graphs. What statements can we make?

What's the same?

What's different?

Number of athletes participating in the Olympics

Number of athletes participating in the Olympics

Reading scales - Intervals

Fill in the empty boxes with the correct intervals
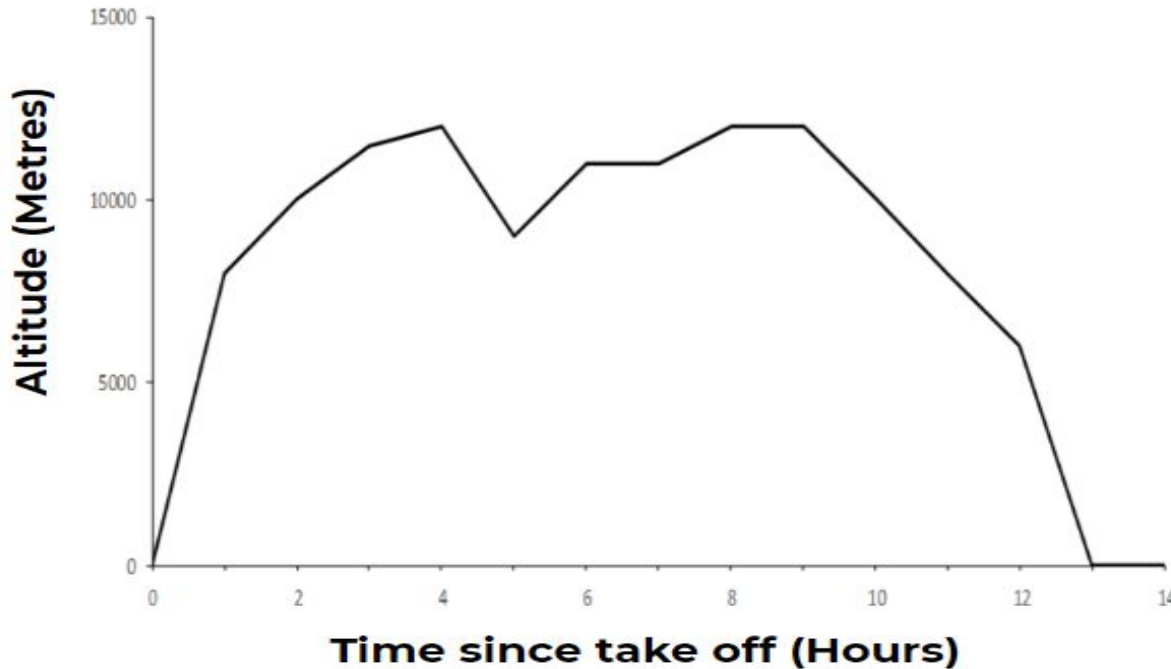
7500　　[ ]　　8000　　[ ]　　8500　　[ ]　　9000　　[ ]

1988　　[ ]　　1996　　[ ]　　2004　　[ ]　　2012　　[ ]
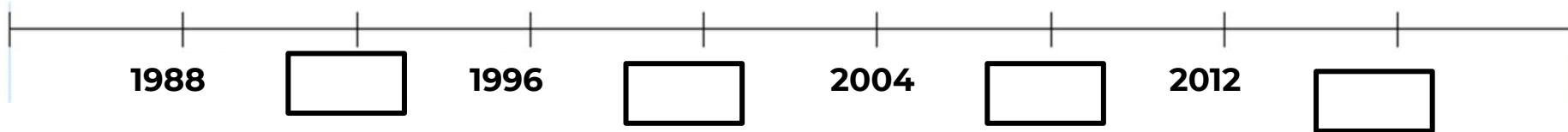
# Use the information from the graph to answer the following questions
(see larger version of graph on next slide!)
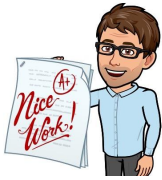
Altitude of plane flight from London to Rio

1) What was the approximate **altitude** of the plane at these times:
   a) **3 hours after** take off
   b) **30 minutes befor**e the plane landed
   c) **Halfway** through the flight
2) What was the **greatest height** reached by the plane?
3) The pilot had to **lower the plane** to avoid a storm. When did this happen and by **how much** was the plane lowered?
4) What is the possible story for this flight - include information from the graph in your story.
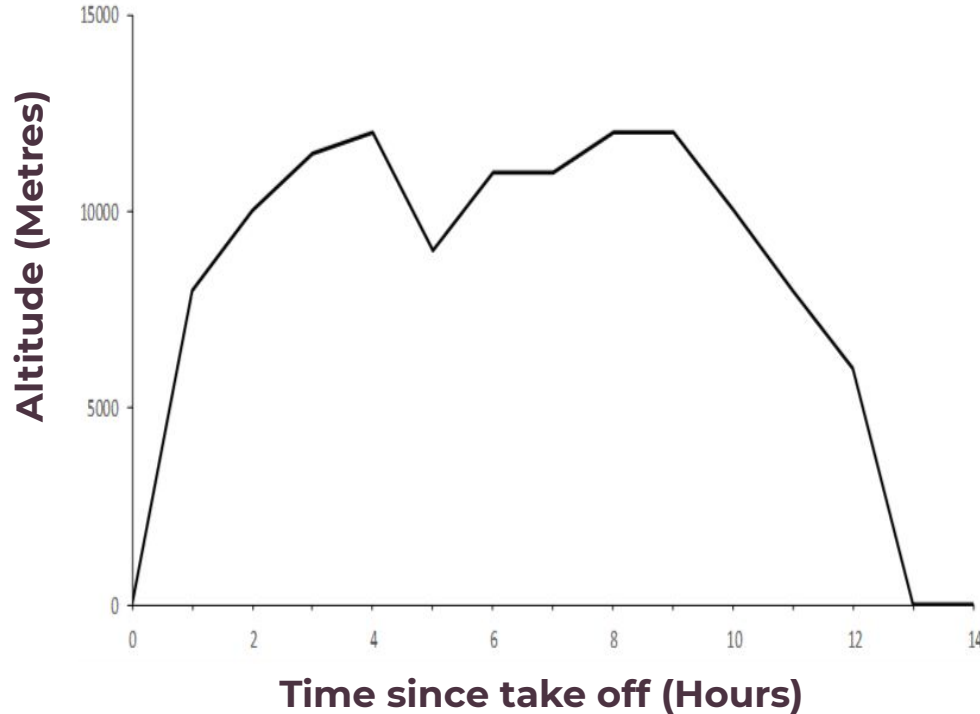5) What questions can you generate that can be answered by the graph?

Altitude of plane flight from London to Rio
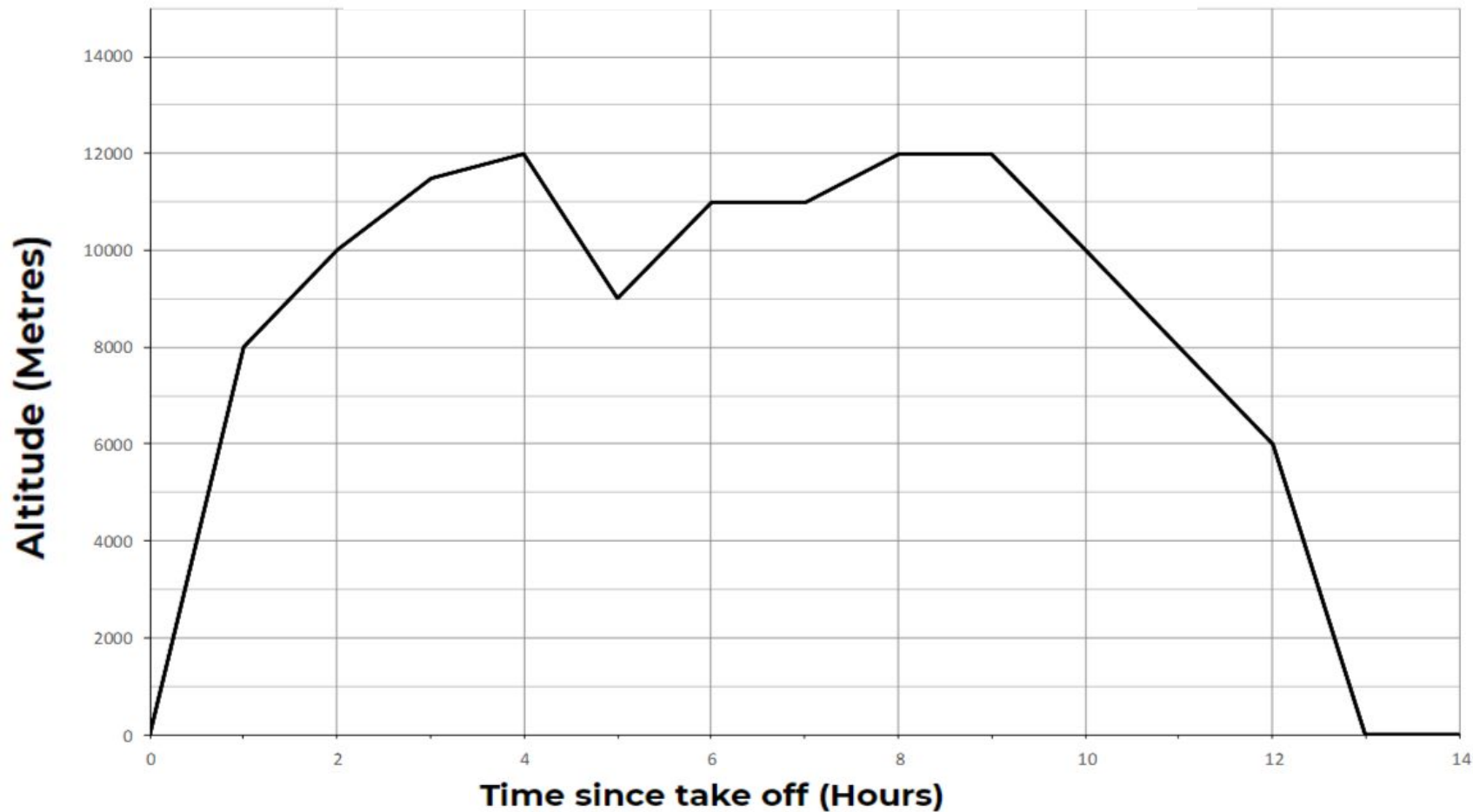
Final Answers

Altitude of plane flight from London to Rio

1a) **Approximately 11,500 metres**
1b) **Approximately 3,000 metres**
1c) **Exactly 11,000 metres**

2)   **12,000 metres**

3) Pilot dipped **4 HOURS** into the flight and dropped **3,000 metres**

4) **Open answer - your stories are based on the information provided**

5) **Many different answers - e.g. How much time did it take the plane to reach its highest altitude during the flight?**

Challenge Slide

a) 2, 3, 5, 9, 17, …… , …….

b) 1, 1, 2, 3, 5, 8,……, ……..

c) 3, 15, 9, 21, 15, 33,…..,
…..

Sequences

Look at the following sequences and try to work out:

a)   The next two numbers

b) The tenth number in the sequence