

Thursday 2nd July Maths

Warm up – High 5 – Complete one set of the below questions. Answers are at the bottom of this document.

Mild

- 1) $1098 + 252 =$
- 2) $1982 - ? = 1900$
- 3) $152 \times 5 =$
- 4) $384 \div 8 =$
- 5) $2/10$ of $200 \text{ cm} =$

Spicy

- 1) $9871 = ? + 6541$
- 2) $2890 = 6541 -$
- 3) $156 \times 7 =$
- 4) $276 \div 6 =$
- 5) $2/10$ of $200\text{cm} = ?\text{m}$

Hot

- 1) $8781 + ? = 10,651$
- 2) $7589 - ? = 4531$
- 3) $67 \times ? = 536$
- 4) $3541 \div 7 =$
- 5) $4/7 + 6/7 =$

Main lesson:

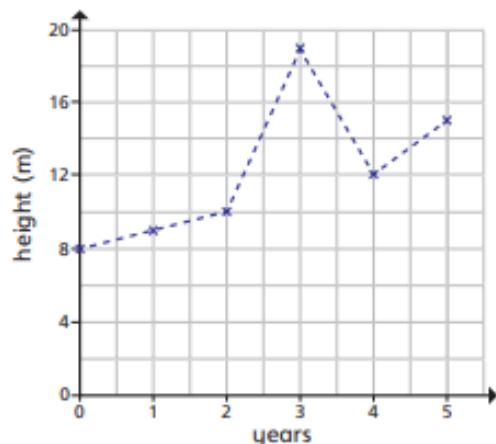
Watch the video for this

lesson: <https://whiterosemaths.com/homelearning/year-4/>

Then complete the activities on the following pages in your work book.

Line graphs

1 The line graph shows the growth of a tree.



a) What is the difference in height between the start and end of recording?

 m

b) How much did the tree grow between the 2nd and 3rd year?

 m

c) What happened in year 3? What might have caused this?

d) By the 6th year the tree grows to three times the height it was in the 1st year.

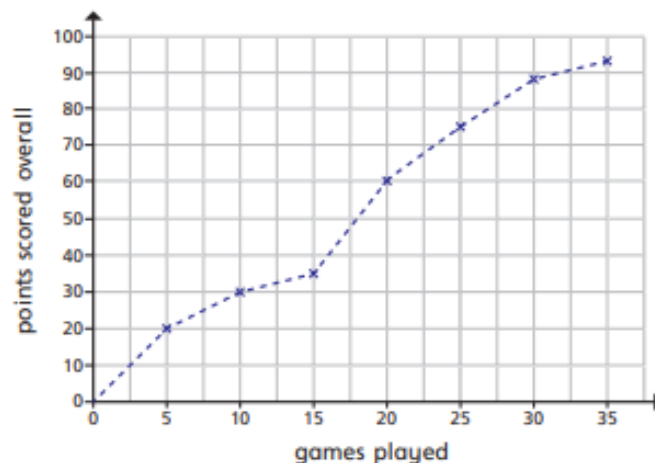


The tree will be at the tallest height it has ever been.

Do you agree with Whitney? _____

Explain your answer.

2 The line graph shows the number of points scored over 35 games.



a) Use the line graph to complete the table.

Games	0	5						
Points	0						88	93

b) How many points were scored between games 10 and 25?

c) Between which games did the points exactly double?

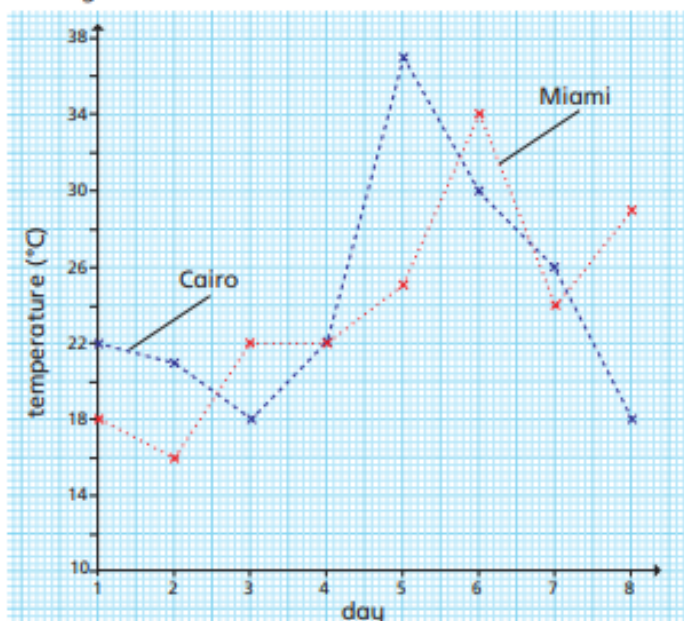
between game and game

d) Between which games were the least number of points scored?

game and game

e) Estimate how many games it took to score 50 points.

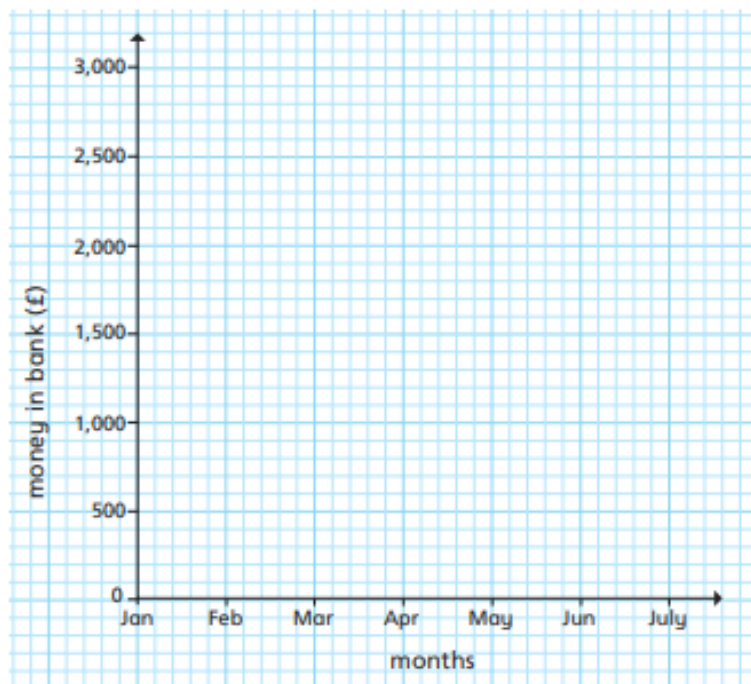
- 3 The line graph shows the temperatures in Miami and Cairo over 8 days.



- a) On what day was the temperature the same in both cities?
 day
- b) What is the difference in temperature between the hottest days in both cities? °C
- c) What is the difference between the hottest recorded temperature and the lowest recorded temperature? °C
- d) On which days was it warmer in Cairo than Miami?

- e) On what day was there the greatest difference in temperature between the two cities?
 day

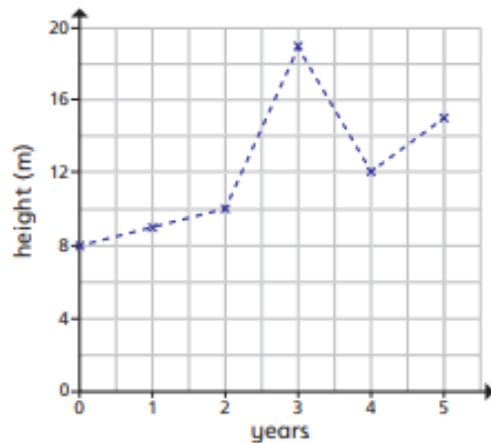
- 4 Use the clues to complete the line graph.



- In February there was £2,800 in the bank, which was the largest overall amount.
 - May had the lowest amount.
 - In March there was half the amount of February.
 - In Jan there was £200 more than March.
 - The total of March and April combined was £2,600
 - The lowest amount was £2,400 less than the highest amount.
 - In July and April there was the same amount of money.
 - June = Feb - Mar - May
- Compare answers with a partner.

Line graphs

- 1 The line graph shows the growth of a tree.



- a) What is the difference in height between the start and end of recording?
- b) How much did the tree grow between the 2nd and 3rd year?
- c) What happened in year 3? What might have caused this?
- d) By the 6th year the tree grows to three times the height it was in the 1st year.

7 m

9 m

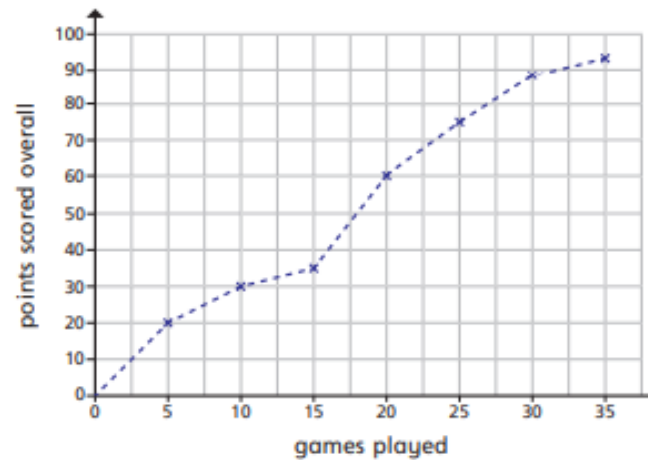


The tree will be at the tallest height it has ever been.

Do you agree with Whitney? yes

Explain your answer.

- 2 The line graph shows the number of points scored over 35 games.

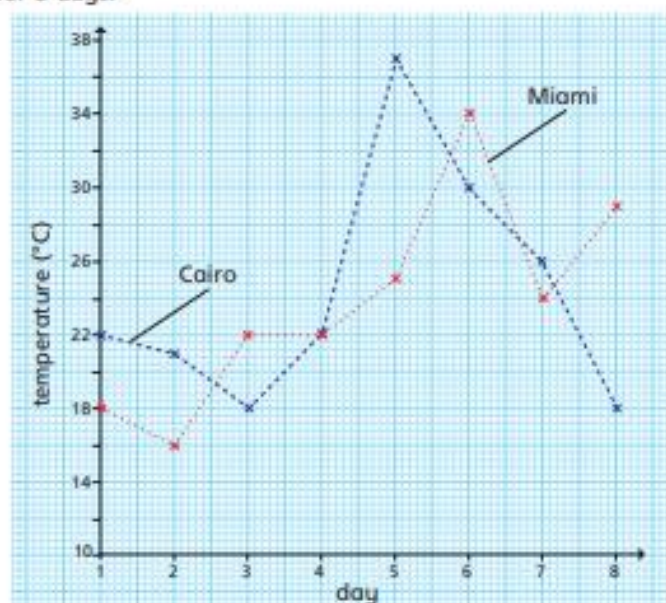


- a) Use the line graph to complete the table.

Games	0	5	10	15	20	25	30	35
Points	0	20	30	35	60	75	88	93

- b) How many points were scored between games 10 and 25? 45
- c) Between which games did the points exactly double?
between game 10 and game 20
- d) Between which games were the least number of points scored?
game 30 and game 35
(or 10 and 15)
- e) Estimate how many games it took to score 50 points. 18

- 3 The line graph shows the temperatures in Miami and Cairo over 8 days.



- a) On what day was the temperature the same in both cities?

day

- b) What is the difference in temperature between the hottest days in both cities?

°C

- c) What is the difference between the hottest recorded temperature and the lowest recorded temperature?

°C

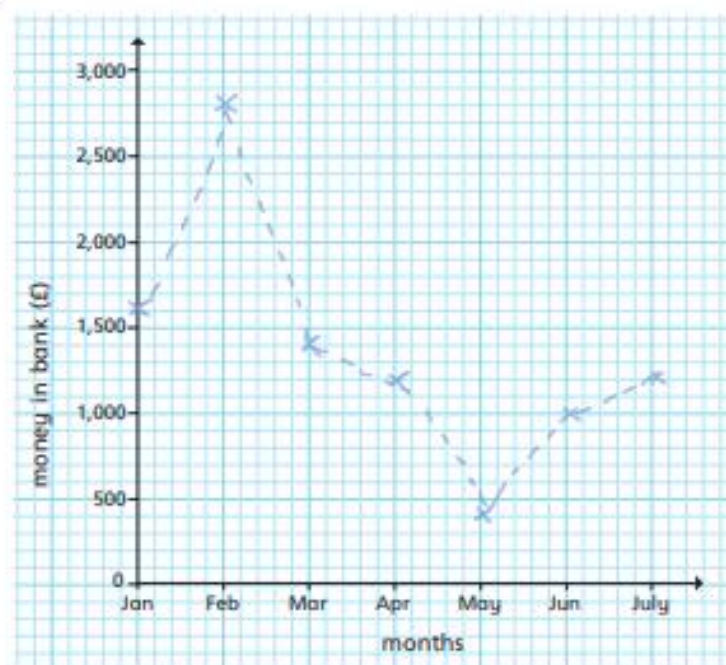
- d) On which days was it warmer in Cairo than Miami?

1, 2, 5, 7

- e) On what day was there the greatest difference in temperature between the two cities?

day

- 4 Use the clues to complete the line graph.



- In February there was £2,800 in the bank, which was the largest overall amount.
- May had the lowest amount.
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- The total of March and April combined was £2,600
- The lowest amount was £2,400 less than the highest amount.
- In July and April there was the same amount of money.
- June = Feb - Mar - May

Compare answers with a partner.

Mild

- 1) $1098 + 252 = 1350$
- 2) $1982 - 82 = 1900$
- 3) $152 \times 5 = 760$
- 4) $384 \div 8 = 48$
- 5) $2/10$ of $200 \text{ cm} = 40\text{cm}$

Spicy

- 6) $9871 = 3276 + 6541$
- 7) $2890 = 6541 - 3651$
- 8) $156 \times 7 = 1092$
- 9) $276 \div 6 = 46$
- 10) $2/10$ of $200\text{cm} = 0.4\text{m}$

Hot

- 6) $8781 + 1870 = 10,651$
- 7) $7589 - 3058 = 4531$
- 8) $67 \times 8 = 536$
- 9) $3541 \div 7 = 505 \text{ r}6$
- 10) $4/7 + 6/7 = 1 \frac{3}{7}$