

## Maths WB 29.06.20





Today's teaching video available at <https://whiterosemaths.com/homelearning/year-4/>. Select Summer – Week 10 and lesson 1.


**Monday 29<sup>th</sup> June 2020**

LO: Interpreting charts

To start this week, we would like you to practise interpreting charts.

- 1 The pictogram shows the number of ice creams sold in a shop.

Ice cream flavour	Number of ice creams sold
vanilla	
chocolate	
strawberry	
mint choc	

Key  = 2 ice creams

- a) How many vanilla ice creams were sold?

8

- b)



The shop sold 6 chocolate ice creams.

What mistake has Annie made?

She has counted the number of pictures of ice  
creams on the pictogram

- c) How many chocolate ice creams were sold?

12

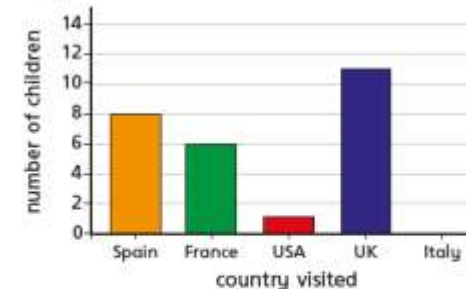
- d) How many strawberry ice creams were sold?

3

- e) Seven mint choc ice creams were sold.

Complete the pictogram to show this.





- 2 The bar chart shows the number of children who went on holiday to some different countries.



- a) Complete the table using the information in the bar chart.

Country	Number of children visiting
Spain	8
France	6
USA	1
UK	11
Italy	0

- b) Complete the pictogram using the information in the bar chart.

Country	Number of children visiting
Spain	
France	
USA	
UK	
Italy	

Key  = 4 children

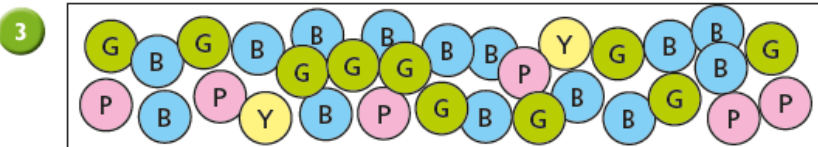


Chart A



Chart B

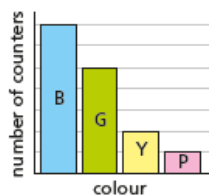
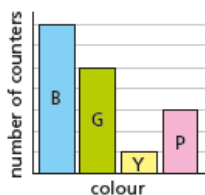


Chart C



Which chart best represents the picture?

chart C

Talk to a partner about the reasons for your choice.

4 Use the clues to label the bar chart.

- The number of Huddersfield Town supporters is half the number of Halifax Town supporters.
- Most people support Halifax Town.
- More people support Manchester United than Leeds United.
- There is 1 less supporter of Bradford City than Halifax Town.

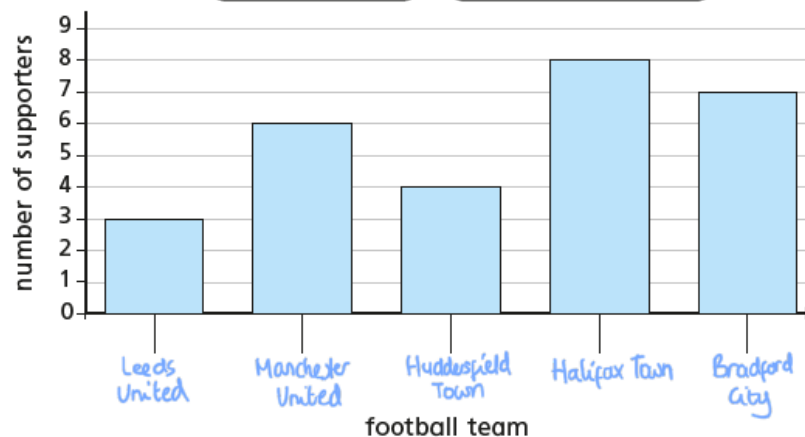
Bradford City

Huddersfield Town

Halifax Town

Leeds United

Manchester United



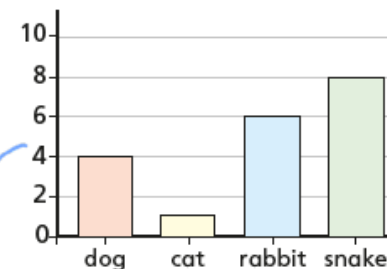
5 Four classes of children were asked what their favourite animals are. Match the tables to the charts.

Class A	
dog	8
cat	2
rabbit	7
snake	12

Class B	
dog	4
cat	1
rabbit	3
snake	4

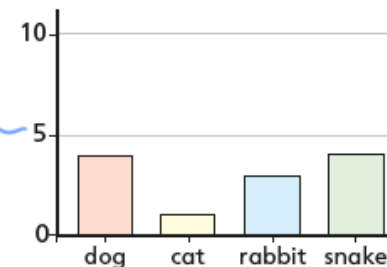
Class C	
dog	4
cat	1
rabbit	6
snake	8

Class D	
dog	8
cat	2
rabbit	7
snake	3



dog	
cat	
rabbit	
snake	

Key = 4 children



dog	
cat	
rabbit	
snake	

Key = 4 children

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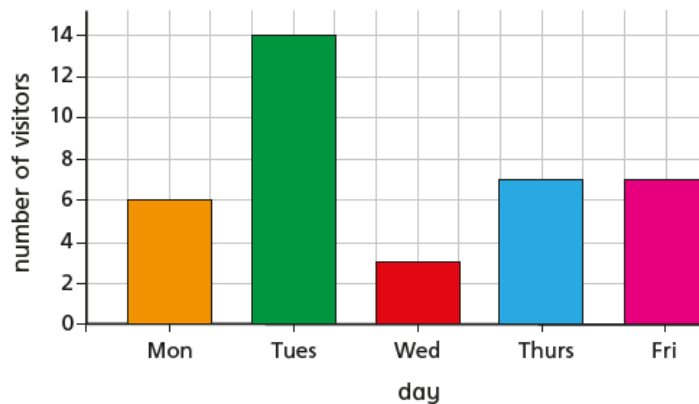
Today's teaching video available at <https://whiterosemaths.com/homelearning/year-4/>. Select Summer – Week 10 and lesson 2.  
Select Summer – Week 8 and the lesson that you are completing. The activity sheet linked to the lesson is the same as the questions in this pack.

**Tuesday 30<sup>th</sup> June 2020**

LO: Comparison, sum and difference






To start this week, we would like you to practise


- 1 The bar chart shows the number of visitors to a museum in a week.



- a) How many more visitors went to the museum on Tuesday than on Wednesday? 11
- b) What is the difference between the number of visitors on Monday and the number of visitors on Friday? 1
- c) What was the total number of visitors for the whole week? 37
- d) If there were 3 times as many visitors on Saturday as there were on Thursday, how many people visited on Saturday? 21

- 2 The pictogram shows the points scored in a game by five teams.

Team	Points
Red	
Blue	
Green	
Yellow	
Pink	

Key  = 4 points

- a) Write <, > or = to compare the points scored by the teams.

Red < Blue and Green  
Red and Blue < Green and Yellow  
Red and Green = Yellow and Blue  
Blue and Green = Yellow



















- b) The Pink team scored half the number of points that the Green team scored.  
Complete the pictogram for the Pink team.
- c) Teddy is working out the difference in points between the Red and Green teams.




I can work out how many points each team scored and then subtract one from the other.

Is there another way Teddy could work out the answer?

- 3 Two children are asked to find out how many hours of sunshine there were altogether.

Country	Number of hours sunshine
Spain	     
UK	  
Italy	    
Germany	  
Iceland	

Key  = 3 hours

a)



I can find out how many hours sunshine each country has and then add up all the totals.

Use Mo's method to calculate the total hours of sunshine.

54 hours

b)

I can count how many sunshine symbols there are altogether and multiply that by 3



Use Rosie's method to calculate the total hours of sunshine.

54 hours

Which method is the most efficient?  
Will that always be the case?

- 4 The table shows the number of men and women who watched three different films.

Film	Women	Men	Total
A	364	618	982
B	411	484	895
C	609	255	864
Total	1,384	1,357	2,741

a) Complete the table.

b) Are these statements true or false?

More women than men watched one of the films.

true

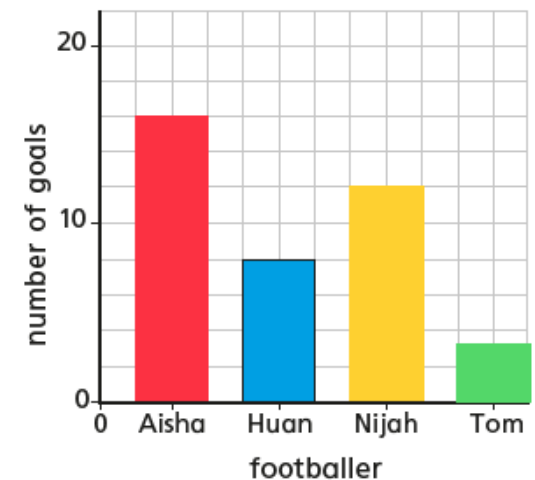
Film B was the most popular.

false

- 5 The bar chart represents the number of goals scored by four footballers.

Use the clues to complete the bar chart.

- Tom has scored 13 fewer goals than Aisha.
- Aisha has scored twice as many goals as Huan.
- Huan and Nijah combined have scored a total of 20 goals.



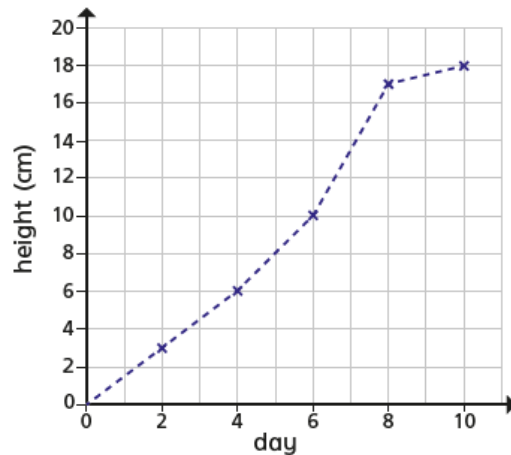
Today's teaching video is available at <https://whiterosemaths.com/homelearning/year-4/>. Select Summer – Week 10 and lesson 3.

Wednesday 1<sup>st</sup> July 2020

LO: Introducing line graphs

Today, we would like you to have a go at understanding and interpreting line graphs.

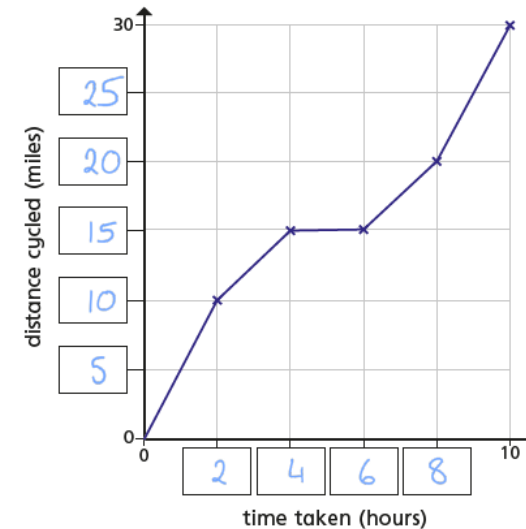
- 1 The line graph shows the growth of some cress over 10 days.



- a) How tall was the cress on Day 2?  cm
- b) On what day did the cress reach 10 cm? day
- c) Estimate the height of the cress on Day 5  cm
- d) Estimate when the cress will reach a height of 14 cm.  
day
- e) Between which two consecutive days did the cress grow the most?  
day  and day

- 2 The line graph shows the distance a cyclist travels on a bike ride.

a) Fill in the missing labels.



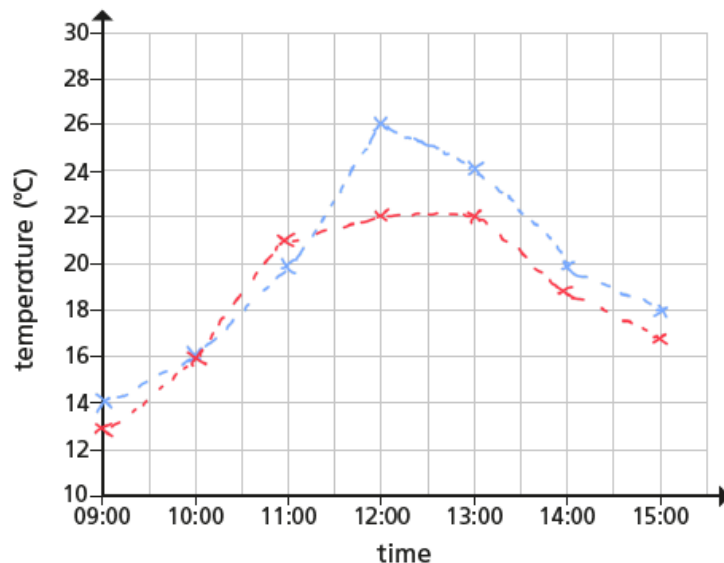
- b) How long did it take the cyclist to travel 10 miles?  hours
- c) How far had the cyclist travelled after 4 hours?  miles
- d) How far did the cyclist travel in total?  miles
- e) How far did the cyclist travel between 4 and 6 hours?  miles

What might have happened during this time?

- 3 The table shows the temperature outside on Monday.

Time	09:00	10:00	11:00	12:00	13:00	14:00	15:00
Temperature (°C)	14	16	20	26	24	20	18

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



Key Monday ----- Tuesday -----

- b) On Tuesday, the following temperatures were recorded.

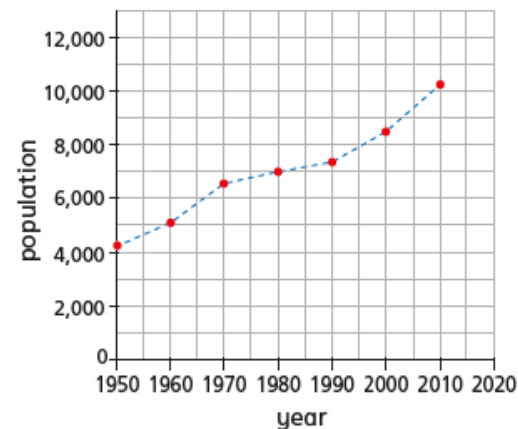
Time	09:00	10:00	11:00	12:00	13:00	14:00	15:00
Temperature (°C)	13	16	21	22	22	19	17

Add the new information to your line graph using a different colour and complete the key.

- c) At what time was it hotter on Tuesday than on Monday?

11:00

- 4 The graph shows the population of a town from 1950 to 2010



- a) Circle the correct word to complete the statement.

The population of the town increased / decreased from 1950 to 2010

- b) Estimate the highest recorded population.

10,200

- c) In what year did the population first reach 7,000?

1980

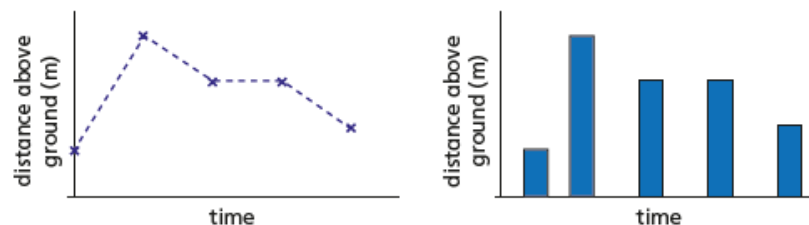
- d) Estimate the population in 1970

6,500

- e) Estimate the population in 2006

9,500

- 5 The line graph and bar chart both show the distance above ground of a bird.



Which representation is more appropriate?

line graph

Explain your choice to a partner.



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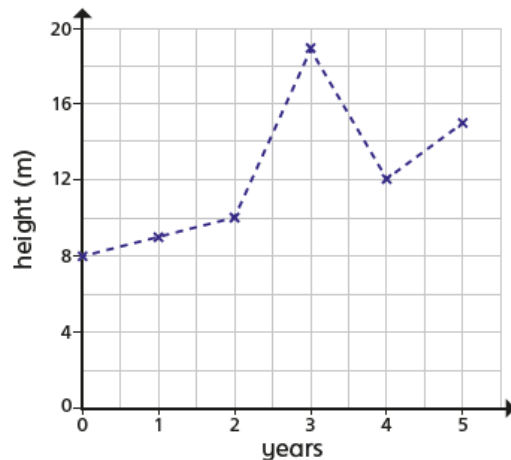
Today's teaching video is available at <https://whiterosemaths.com/homelearning/year-4/>. Select Summer – Week 10 and lesson 4.

Thursday 2<sup>nd</sup> July 2020

LO: Round decimals

Today, we will be continuing our learning from yesterday and doing some more work on interpreting 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

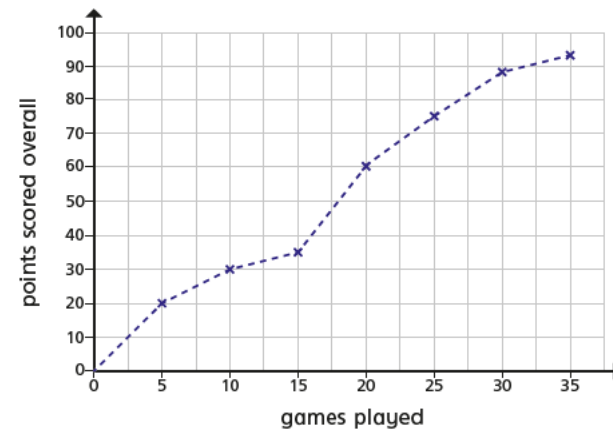


The tree will be at the tallest height it has ever been.

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?
- c) Between which games did the points exactly double?
- d) Between which games were the least number of points scored?

45

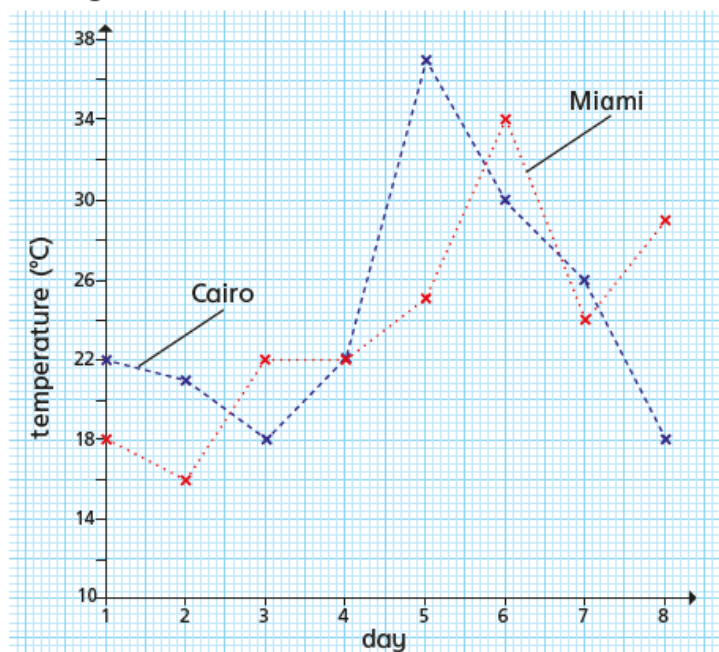
between game 10 and game 20

game 30 and game 35

- 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

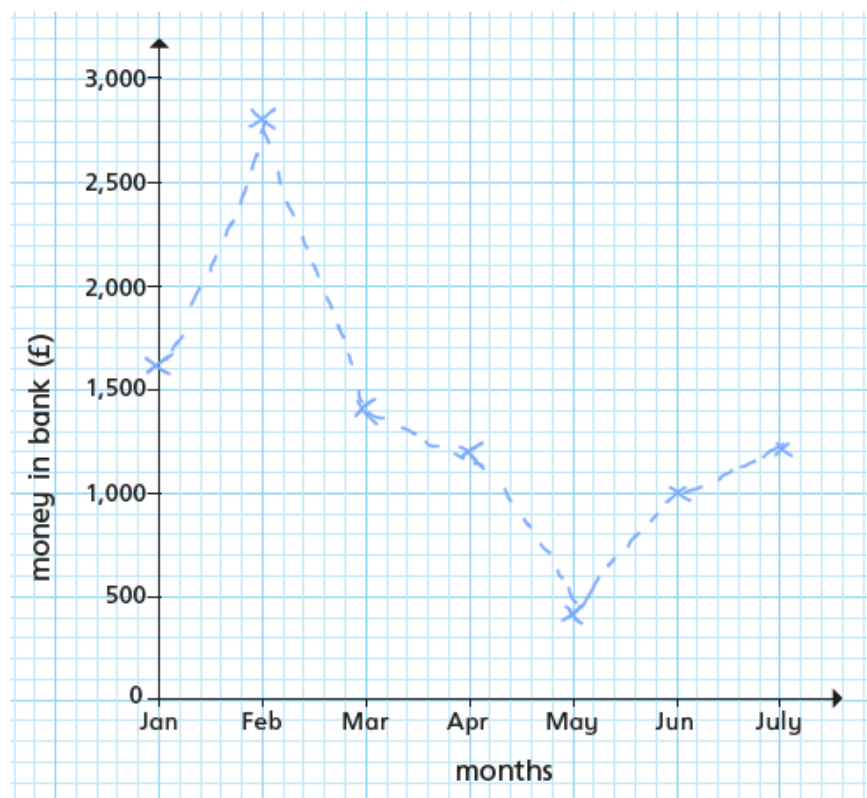
- d) On which days was it warmer in Cairo than Miami?

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.
- 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



Friday 3<sup>rd</sup> July 2020

LO: Arithmetic: Today we'd like you to practise some mental arithmetic. You may use the space underneath the questions for your workings out!

1

$462 + 100 =$

562

1 mark

4

$\frac{7}{10} + \frac{1}{10} =$

$\frac{8}{10}$

1 mark

2

$346 - 300 =$

46

1 mark

5

$1972 - 1000 =$

972

1 mark

3

$34 \times 7 =$

238

1 mark

6

$2809 + 2765 =$

5574

1 mark

7

$11 \times 11 =$

121

1 mark

10

$5.09 + 0.02 =$

5.11

1 mark

8

$387 \times 9 =$

3483

1 mark

11

$45 \div 10 =$

4.5

1 mark

9

$\frac{6}{11} - \frac{4}{11} =$

 $\frac{2}{11}$ 

1 mark

12

$1.02 + 1.2 =$

2.22

1 mark