Year 4	Maths	English	Science	History and Computing	Geography
WC 29th June <u>**Online learning**</u> TT Rockstars 20 mins x 5 (Arena or Garage) RMEasimaths 20 mins x5 Sumdog (20 mins x 3) Lexia - 20 mins x 5 IDL- 20 mins x 3	<u>**White Rose Maths daily lessons -**</u> See link below for daily Maths lessons. https://whiterosemaths.com/homelearning/year-4/ **Monday – Interpret charts** **Tuesday – Comparison, sum and difference** **Wednesday – Introducing line graphs** **Thursday – Line graphs** **Friday – Challenge** https://www.bbc.co.uk/bitesize/tags/z63tt39/year-4-and-p5-lessons/1	Independent reading – 20 minutes x -------------------------- https://www.bbc.co.uk/teach/class-clips-video/english-ks2-viking-sagas/zvrmy9q Watch Thor and the giants - Part 1, Part 2 and Part 3. **Monday** – Watch part 1 and think about the characters - What do you think of Thor's "trick" - why does the goat limp? **Tuesday** – Watch part 2 as they carry on with their journey. Thor set a challenge.What was it and why was it unlikely that he would win? **Wednesday – Watch part 3 -** Skrymnir sets some more challenges. Describe what they are. Thor was ashamed he had failed. Should he have been? **Thursday –Watch the 3 sagas again.** Think of another challenge that Skrymnir could set. Remember it has to be a trick. Use your imagination. **Friday** What do you think about these Viking sagas so far. Is there a pattern in how they are written or shown?	**Renewable and non-renewable energy** Read through this on bitesize and complete the activities that accompany it. https://www.bbc.co.uk/bitesize/articles/zhvc86f **Make sure you understand the differences between renewable and non-renewable energy.** ## Music Complete the Music lesson on Dynamics on BBC Bitesize. This can be done in your workbook. https://www.bbc.co.uk/bitesize/articles/z6bpf4j Create a poster explaining what the different words mean for each dynamic.	<u>**Vikings.**</u> How and where did the Vikings trade? <u>Work through:</u> https://www.bbc.co.uk/bitesize/topics/ztyr9j6/articles/zw3qmp3#:~:text=The%20Vikings%20traded%20all%20over,leather%2C%20fish%20and%20walrus%20ivory. Can you summarise what you read into a few paragraphs which you understand more clearly.	<u>**To understand our World better.**</u> What encourages and discourages people to the different regions? Over the past 3 weeks you have been looking at the similarities between Lancashire, Cumbria, Lanzarote and Nevada. Can you write a leaflet about why people do and do not go there. This will take 2 weeks.

Useful links https://www.rmeasimaths.com/ https://ttrockstars.com/ https://appuk.idlsgroup.com/#/login

If you need to speak to Miss Parkinson or Mrs Hutt please email us on yr4teacher@unity.fcat.org.uk

We look forward to seeing your work either by email or on twitter @MissParkinson3 or @UnityPhase2.

Lesson 1

Interpret 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? ☐

b)

> The shop sold 6 chocolate ice creams.
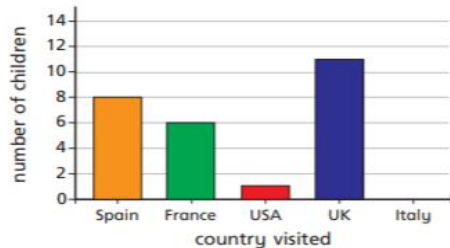
What mistake has Annie made?

_____

_____

c) How many chocolate ice creams were sold? ☐

d) How many strawberry ice creams were sold? ☐

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	
France	
USA	
UK	
Italy	

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

Country	Number of children visiting
Spain	
France	
USA	
UK	
Italy	

Key ⬤ = 4 children

3

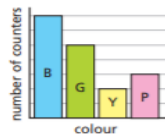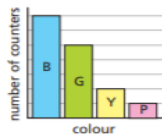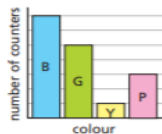Chart A   Chart B   Chart C

Which chart best represents the picture? _____

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.
- More people support Halifax Town than support any other team.
- More people support Manchester United than Leeds United.
- There is 1 less supporter of Bradford City than Halifax Town.
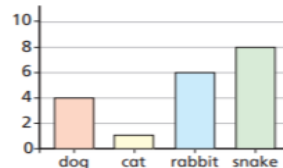
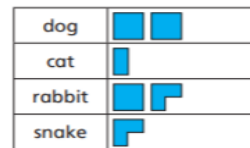| Bradford City | Huddersfield Town | Halifax Town |

| Leeds United | Manchester United |

football team

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

Key = 4 children

Class C	
dog	4
cat	1
rabbit	6
snake	8
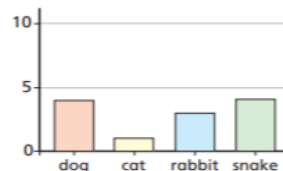
Class D	
dog	8
cat	2
rabbit	7
snake	3

Key = 4 children

Lesson 2
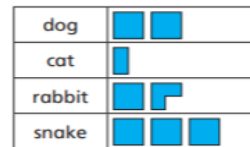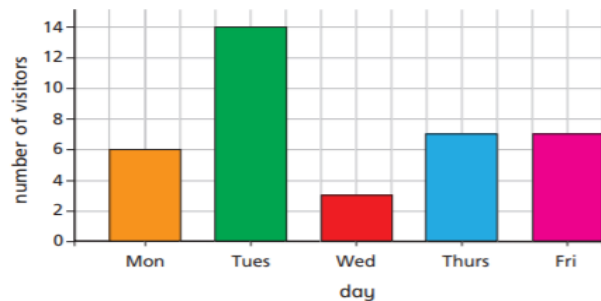
Comparison, sum and difference

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?

b) What is the difference between the number of visitors on Monday and the number of visitors on Friday?

c) What was the total number of visitors for the whole week?

d) If there were 3 times as many visitors on Saturday as there were on Thursday, how many people visited on Saturday?

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

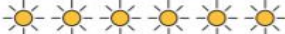Blue and Green ◯ Yellow

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.

☐ 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.

☐ 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	
B	411		895
C	609	255	
Total		1,357	

a) Complete the table.

b) Are these statements true or false?
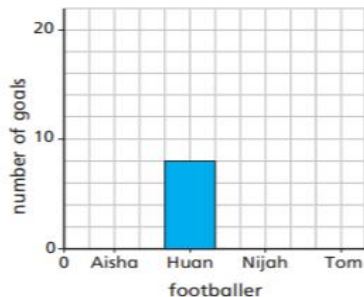
More women than men watched one of the films. _____

Film B was the most popular. _____

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.

Lesson 3

Introducing line graphs

1 The line graph shows the growth of some cress over 10 days.
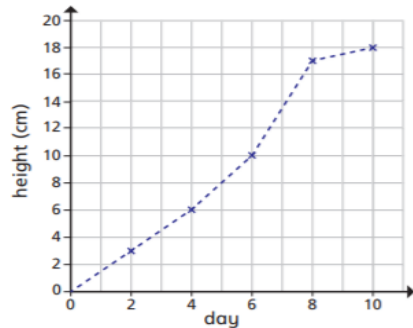
height (cm) / day

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.

distance cycled (miles) / time taken (hours)
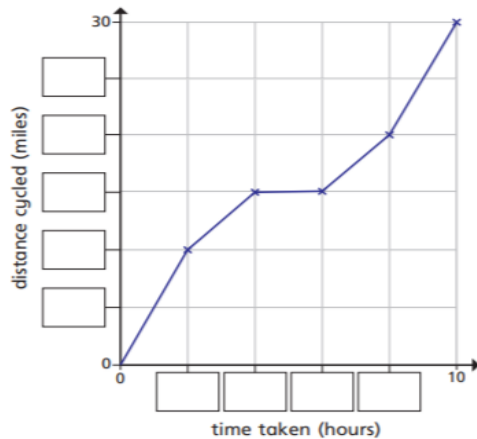
b) How long did it take the cyclist to travel 10 miles?

☐ hours

c) How far had the cyclist travelled after 4 hours?

☐ miles

d) How far did the cyclist travel in total?

☐ miles

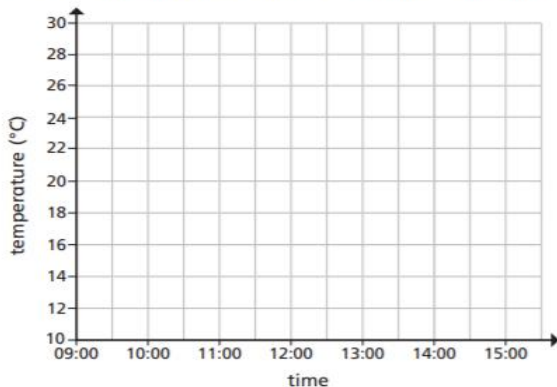**e)** How far did the cyclist travel between 4 and 6 hours?

☐ miles

What might have happened during this time?

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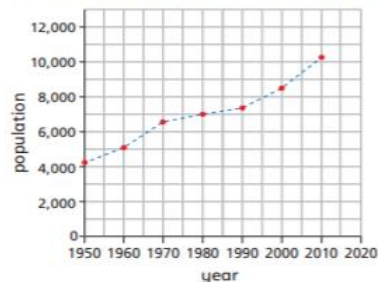
Time	09:00	10:00	11:00	12:00	13:00	14:00	15:00
Temperature (°C)	13	16	21	22	22	19	17

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?

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.

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

d) Estimate the population in 1970

e) Estimate the population in 2006

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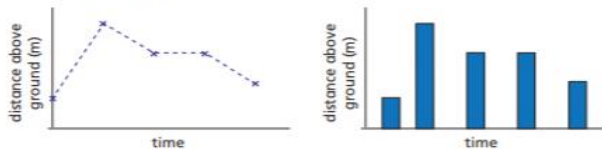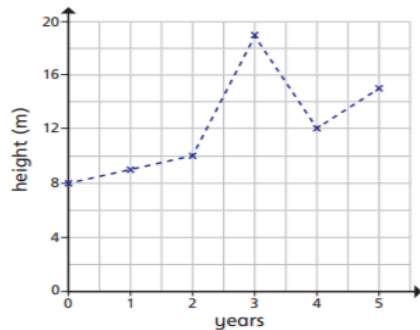

Which representation is more appropriate? _____
Explain your choice to a partner.

Line graphs

White Rose Maths

1 The line graph shows the growth of a tree.

years

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?

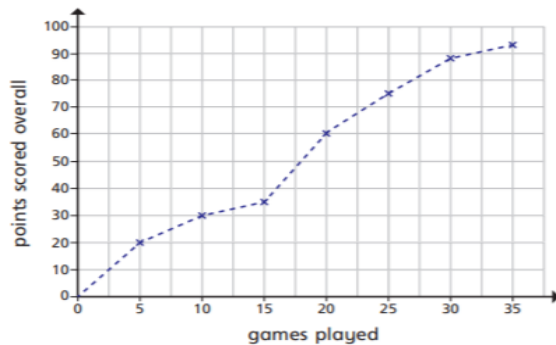**d)** By the 6th year the tree grows to three times the height it was in the 1st year.

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.

games played

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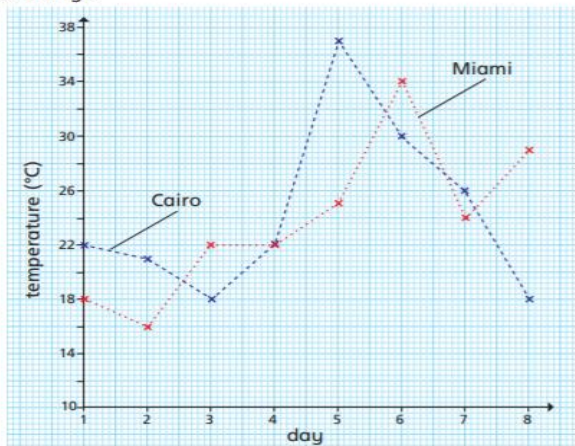
a) On what day was the temperature the same in both cities?

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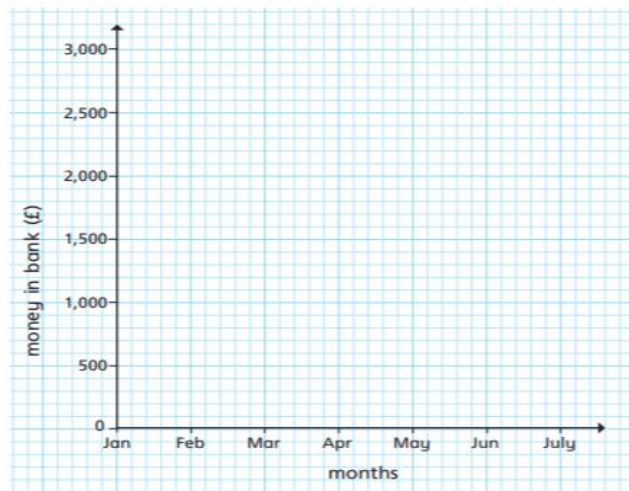
- In February there was £2,800 in the bank, which was the largest overall amount.
- May had the lowest amount.
- In March there was half the amount of February.
- In Jan there was £200 more than March.
- The total of March and April combined was £2,600
- The lowest amount was £2,400 less than the highest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

Compare answers with a partner.