Year 5 & 6 Homework – Week 5

**Homework is due in on Wednesday 7th April, please complete it in your red homework books and hand it in on time. **

WORDS OF THE WEEK:

For the words below, please find out the definition and create sentences using the words.

Sufficient

Hindrance

Spelling:

A spelling test will be done on the Friday, so please learn the spellings below. Write the definition and create a sentence for each word below.

awkward

bargain

bruise

category

cemetery

committee

communicate

community

conscience

conscious

controversy

Convenience

SUNFLOWER PROJECT

'And your Lord revealed to the bees; Build your hives in mountains, trees and what they build. Then eat from every fruit and follow your Lord's enslaved paths...'

"The Earth is green and beautiful, and Allah has appointed you his stewards over it. The whole Earth has been created a place of worship, pure and clean. Whoever plants a tree and diligently looks after it until it matures, and bears fruit is rewarded."

In light to these beautiful sayings, highlighting the importance of bees amongst other creatures, taking care of our environment, and the children studying the book 'Holes' in English, we have launched a sunflower project for year 5&6.

It is **a competition** to see who can grow a sunflower at home to save the bees, and measure to see if your sunflower is growing the tallest.

Students will be provided with the seeds and will therefore be expected to complete their **ongoing** homework for this project across this term, given different activities to complete every week.

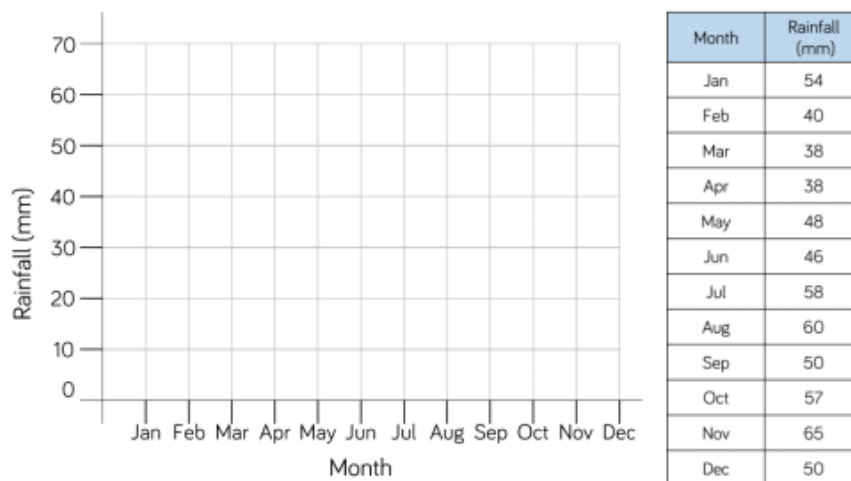Good luck to you and your sunflower plants year 5& 6!

YEAR 5 & 6 MATHS:

*Year 5 have a mini assessment on Tuesday 6th April, on reading and interpreting tables, charts and line graphs, please make sure you have revised over these topics! **

In Maths this week, Year 5 & 6 have been learning to create and interpret information and data from line charts. Please complete the questions in the pages below.

YEAR 5 WORKSHEET:

The table shows average rainfall in Leicester over a year.
Complete the graph using the information from the table.

Month	Rainfall (mm)
Jan	54
Feb	40
Mar	38
Apr	38
May	48
Jun	46
Jul	58
Aug	60
Sep	50
Oct	57
Nov	65
Dec	50

Here is a table showing the conversion between pounds and rupees. Present the information as a line graph.

Pounds	1	2	3	4	5	6	7	8	9	10
Rupees	80	160	240	320	400	480	560	640	720	800

Here is a table of data.
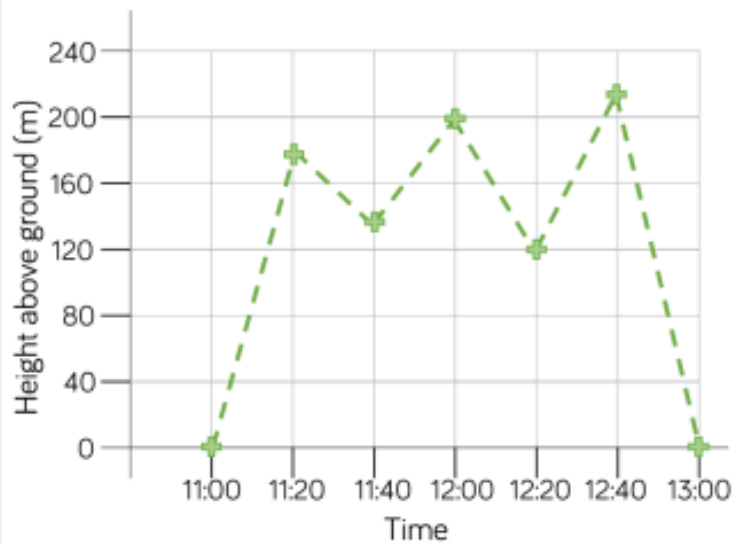
Time (min)	15	30	45	60	75
Distance (km)	25	46	67	72	98

Which intervals would be the most appropriate for the vertical axis of the line graph?
Explain your answer.

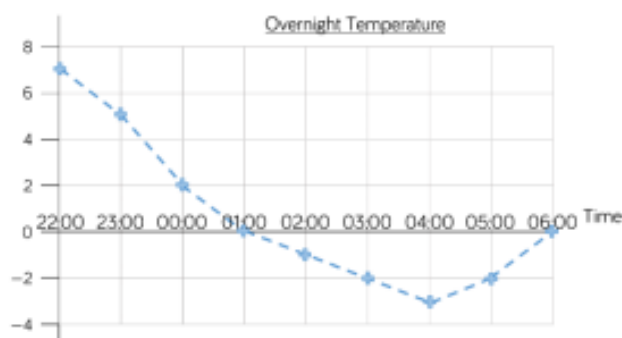Rosie has used the data in the table to plot the line graph.

Time	11:00	11:20	11:40	12:00	12:20	12:40	13:00
Height above ground (m)	0	180	150	200	210	120	0

What mistakes has Rosie made?
Can you draw the line graph correctly?
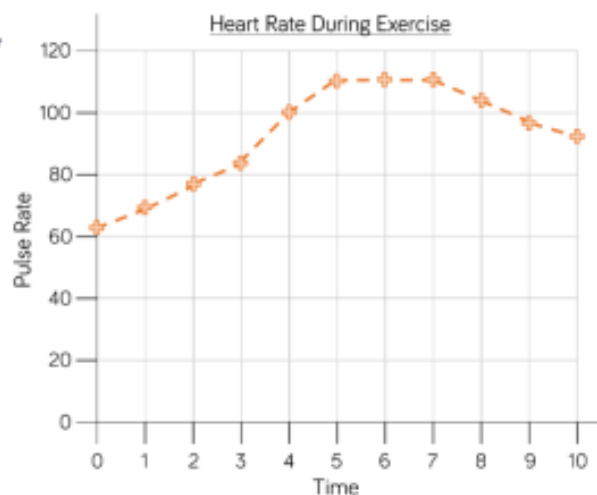
Overnight Temperature

What was the highest/lowest temperature?
What time did they occur?
What is the difference between the highest and lowest temperature?
How long did the temperature stay at freezing point or less?

Heart Rate During Exercise

How long did it take for the pulse rate to reach the highest level? Explain your answer, using the graph to. help.
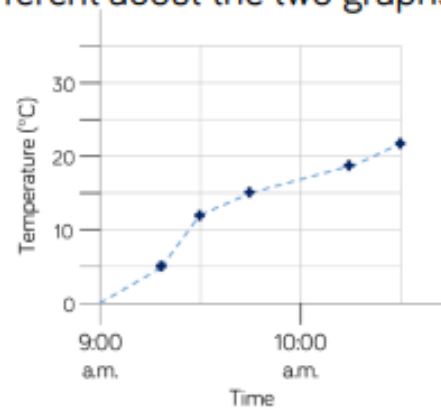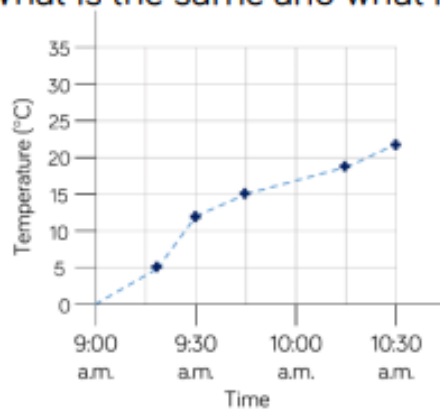What could have happened at 5 minutes?
What could have happened at 7 minutes?

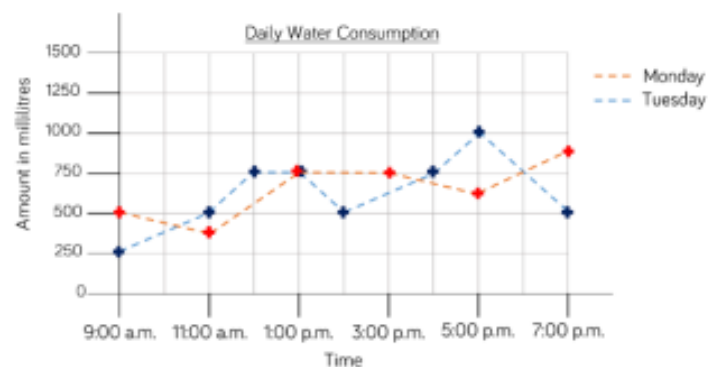Estimate what the pulse rate was after 2 and a half minutes. How did you get an accurate estimate?

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What is the same and what is different about the two graphs?

Here is a graph showing daily water consumption over two days.

At what times of the day was the same amount of water consumed on Monday and Tuesday?

Was more water consumed at 2 p.m. on Monday or Tuesday morning? How much more?

Endangered

Introduction

Endangered animals are those species that are considered likely to become extinct, based on a current population trend. Their numbers known in the wild are low and thought to be decreasing.

Sadly, some species of animals are already now considered **Extinct** or **Extinct in the Wild**, including the famous dodo, a flightless bird thought to have been about one metre tall. Further examples include the passenger pigeon, the Tasmanian tiger and recently the West African black rhino.

According to a recent update of the 'Red List' produced by the International Union for Conservation of Nature (IUCN), 834 different species have now been classified as 'Extinct' with another 69 as 'Extinct in the Wild'.

Some other species are currently classed

Some other species are currently classed as **Endangered** or **Critically Endangered**, if facing a high or extremely high risk of extinction. There are further categories including **Vulnerable** and **Near-Threatened** for species which may face a risk of endangerment in the near future.

A large proportion of primates (such as apes, lemurs and monkeys) are at risk. However,

there are success stories too. Some animals, like the bald eagle and the American alligator were once on the brink of extinction but are now known to be recovering.

What causes endangerment or extinction?

Animal extinction can occur due to natural or human causes. Natural causes include change of climate or sea levels. In more modern times, the most common causes are from human intervention such as hunting or habitat destruction. There are other possibilities too such as pollution, new diseases, new predators or a single catastrophic event.

catastrophic event.

Why save them?

Plants and animals can be extremely important for the ecosystem of the Earth. Species depend on each other for survival. Aside from this, we want to be able to enjoy the beauty of nature and once a species becomes extinct, it has gone forever.
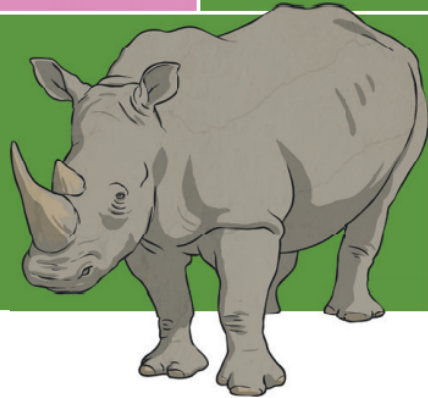
Black Rhino

Population:	More than 5000
Status:	Critically Endangered

Hunted for food or simply entertainment, the black rhino population went into decline due to European settlers in Africa during the 20th century. Despite being one of the oldest groups of mammals on the planet, their habitats have been destroyed and for many years, they have been killed for the illegal trade of their horn.

Mountain Gorilla

Population:	880
Status:	Critically Endangered

Most surviving mountain gorillas currently live in the African country of Uganda. The population has suffered from years of war, hunting, habitat destruction and disease. At one point, scientists thought that the species would be extinct some years ago. Fortunately, due to increased conservation efforts, their numbers have been increasing again in recent decades.

South China Tiger

Population:	None identified in the wild
Status:	Functionally Extinct

In the 1950s, there were estimated to be around 4000 of the South China tigers living in the wild. After decreasing rapidly for decades, the Chinese government introduced a hunting ban in 1979 to prevent further decline. However, by 1996 the population was estimated to be just around 50 individuals. Now, as it has not been seen in the wild for more 25 years, the South China tiger has instead been considered by scientists as 'functionally extinct'.

Giant Panda

Population:	1800 in the wild
Status:	Endangered

Considerable efforts have gone into conservation of the giant panda in recent years both in the wild as well as captivity. Although the animals have little in the way of natural predators, they have seen their habitat destroyed by roads, railways and other construction. Pandas play an important role in the bamboo forests where they roam and spread seeds to encourage growth of new plants. In turn, this area remains home to many other animal species that rely on the environment.

1. According to the introduction of the text, how many species have now been classified as 'Extinct in the Wild'?

_____

2. How tall was the dodo bird thought to be?

_____

3. What other animals does the text list as being now extinct? Tick **three**.

passenger pigeon ☐   Tasmanian tiger ☐

West African black rhino ☐   black rhino ☐

mountain gorilla ☐   giant panda ☐

4. Look at this sentence:

"Some animals, like the bald eagle and the American alligator were once on the brink of extinction but are now known to be recovering."

What is the meaning of the word **brink** in this sentence?

_____

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5. Complete this table of information about some of the animals' features in the text:

Animal	Status	Population
Mountain Gorilla	Critically Endangered	
	Critically Endangered	More than 5,000
Giant Panda		1800 in the wild

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