

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

Hello everyone. It was good to see some of you at the book collection yesterday. If you still have reading books or challenges at home they need to be returned to school as soon as possible. You can drop them off at the school office.

### Maths Task 1

We will have a look at some reasoning and problem solving questions. Read the questions carefully. If you are unsure or need any help or support then you can email me at [yearsix@blowers.dudley.sch.uk](mailto:yearsix@blowers.dudley.sch.uk)

1. Fill in the boxes to complete these calculations.


$$-3 + \square = 2$$


$$4 - 8 = \square$$

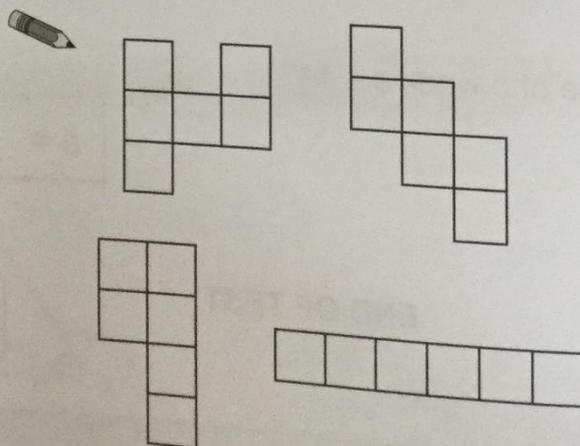
1 mark

2. Complete this sequence to show the first five square numbers.


$$1 \quad \square \quad 9 \quad \square \quad 25$$

1 mark

3. Circle the net which could fold to make a cube.



1 mark

4. Fill in the missing digits in this long multiplication.


$$\begin{array}{r} 1243 \\ \times \quad 18 \\ \hline 9 \square 44 \\ 1 \square 43 \square \\ \hline 223 \square 4 \end{array}$$

1 mark

5. By estimating, circle the correct answer to  $70.29 \div 9.9$



3.5      12.2      9.7      7.1

1 mark

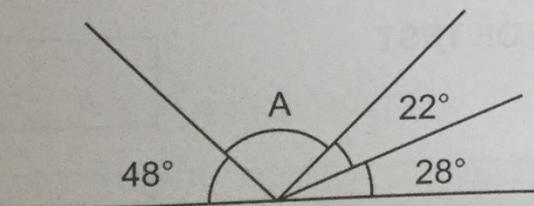
6. Farrah has written on  $\frac{7}{20}$  of the pages in her diary.

Write this fraction as a decimal.



1 mark

7. Find the missing angle A in the diagram below.



A =

1 mark

## Maths Task 2 - Finding the Mean Revision

A quick reminder about finding the mean. Finding the mean means finding the average from a set of data. You need to add all the numbers in the set of data. Then you need to divide that total by how many pieces of data you had.

For example. 2 7 6 4 3 8 5 5

When you add the numbers the total is 40.

There are 8 pieces of data so now we need to do  $40 \div 8 = 5$

So the average (the mean) for that particular set of data is 5.

Complete the following questions.

### The Mean

1 Find the mean of this group of numbers.

7   8   3   6   11   4   10



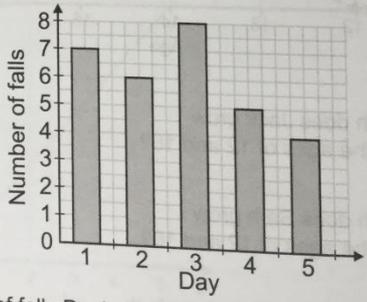
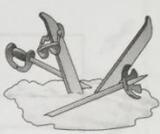
2 This table shows the temperature outside a school from 9 am to 5 pm.

Time	Temperature in °C
9 am	6
11 am	9
1 pm	13
3 pm	10
5 pm	7

What is the mean temperature?

  °C

3 Paolo goes on a skiing holiday. He records how many times he falls over each day for five days. His results are shown on the graph below.



Work out the mean number of falls Paolo has each day.

  falls

## English Task - Prefixes - aero / micro / tele / photo and circum

A prefix is a group of letters that come at the beginning of a root word. The prefix tells us more about the root word.

Write a definition for each of the prefixes and then complete the activities below.

### Prefixes — 'aero' 'micro' 'tele' 'photo' and 'circum'

Prefixes can tell us useful information about a root word.

'aero-' relates to the air.      'micro-' means small.      'tele-' refers to distance.

aeroplane      microwave      teleshopping

'photo-' refers to light.      'circum-' means around or about.

photocopier      circumference

**1** Draw lines from the prefixes to the correct word endings.

aero-	port
micro-	dynamic
tele-	chip
	second
	wave

Write the completed words in the box.

**2** Circle the correct spelling of each word to complete the sentences below.

The aerospace / microspace industry is booming.

You can see lots of things through a circumscope / telescope.

Scientists have discovered a new teleorganism / microorganism.

The aerovised / televised broadcast was disrupted by the storm.

Due to unforeseen circumstances / photostances, the shop is closed.

I need to telecopy / photocopy my work.

The ship had to aeronavigate / circumnavigate the island.

Section 14 — Prefixes

You may want to compile lists of words that start with the prefixes we have looked at today. Use a dictionary or an online dictionary to find more words with these prefixes.

A good KS2 dictionary to use is: <https://kids.wordsmyth.net/we/>

## Task 4 - geography - Amazon Rainforest.

One of the main features of South America has to be the Amazon Rainforest. It covers nearly one third of the continent and is home to many thousands of species of animals that can be found nowhere else in the world. Read the information and then answer the questions. You can find more information about the canopy in the rainforest at the following link.

<https://www.dkfindout.com/uk/animals-and-nature/habitats-and-ecosystems/rainforest-layers/> - the information here will help you with question B - You may wish to draw your own diagram of the layers of the rainforest.

### Amazon Rainforest

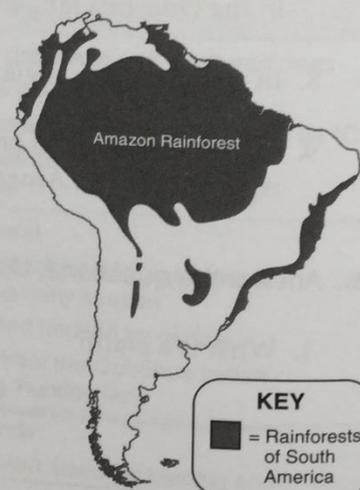
Much of South America is covered by tropical rainforests. Some of these forests are along the coast, but the largest rainforest area is located in the Amazon Basin. The Amazon Rainforest is the biggest tropical rainforest in the world.

The rainforest is divided into the following four layers:

1. The *emergent layer* includes the tallest trees that rise far above the rest of the vegetation. The treetops are exposed to rain and sunlight. Some animals spend their entire lives in these tall trees.
2. The next layer is the *canopy*. The trees in the canopy layer are so thick that they keep out about 80% of the sunlight from reaching the ground. Many other plants grow on the trees, and many animals live at this level.
3. The *understorey* gets very little sunlight. Most plants in the understory do not grow beyond 4 m tall.
4. The *forest floor* is littered with insects, small animals and decomposing plant matter. You would need a flashlight to explore this rainforest layer because it is so dark.

#### Amazon Rainforest facts

- The Amazon Rainforest covers about one-third of the continent.
- Scientists think the Amazon Rainforest is at least 55 million years old, making it one of the oldest tropical rainforests on the planet.
- The average temperature in the rainforest is 27 °C and it rains nearly every day.
- About 20% of the world's oxygen is produced in the Amazon Rainforest.
- There are more types of plants and animals in the Amazon Rainforest than anywhere else on Earth. There are over 40 000 different kinds of plants and more than 30 million species of insects. One-third of the world's birds can be found in the Amazon as well.
- Some of the more dangerous animals that live in the Amazon include the black caiman (an alligator-like reptile), the jaguar and the anaconda (a huge snake).
- Over 20% of the Amazon Rainforest has been destroyed. Many parts have been logged, while others have been cleared to create land for crops and for grazing livestock.

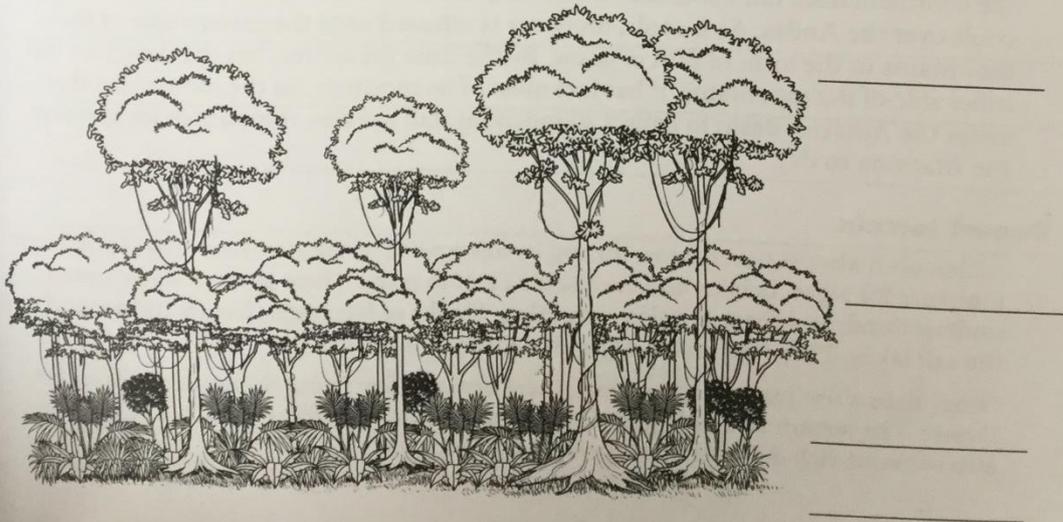


# Amazon Rainforest

A. Complete each sentence by unscrambling the word under the line. Use the information on page 54 to help you.

1. The Amazon Rainforest covers about one-\_\_\_\_\_ of the continent. **hidtr**
2. The \_\_\_\_\_ layer is the highest part of the rainforest. **gretenme**
3. About 20% of the world's \_\_\_\_\_ comes from the Amazon Rainforest. **yongex**
4. There are over 30 million different species of \_\_\_\_\_ in the Amazon Rainforest. **scinets**
5. Many animals live in the \_\_\_\_\_ layer of the rainforest. **pynoca**
6. Black caimans, jaguars and \_\_\_\_\_ live in the Amazon. **danascano**

B. Label the four layers of the rainforest.



Well done everybody - keep up the good work!

Mr Thompson