Homework Tasks (Year 5):

- **GPS:** Please read 'Climate Change' on pg.2 of this file then answer – and mark – the 'Text' and 'Punctuation' questions on pg. 3 and 4. Answers can be found on pg.5. Please use these to help work out how to answer any questions you are unsure about. Your responses should be recorded in your Homework Jotter provided by school.
- **Maths:** Please complete – and mark – 'Negative Numbers' on pg.6 of this file. Answers can be found on pg.7. Please use these to help work out how to answer any questions you are unsure about. Your responses should be recorded in your Homework Book provided by school.
- **Spelling:** Please complete spelling retrieval on 'Affixes' on pg.8. A selection of possible answers can be found on pg.9. A spelling test will take place next **Friday** focused on these skills. Please log onto Morphs to support additional practice of key morphological skills at home.

Please ensure your completed homework books are handed in at school on Wednesday 30th September.

- **Multiplication & Division Facts:** Application of multiplication and division facts will take place throughout the week during Fluent in Five and Flashback Four. Please practise all facts up to 12 x 12.
- **Reading:** You are expected to do **at least 20 minutes** of independent reading at home, **every day**. *Please remember to log all new books read – both those at home and at school – in our class reading log as there are no home reading records in Woodpecker Class*:

Eco Warrior

Climate Change

You may have heard of climate change. It's a scary term. That's a good thing, because the impact of it is scary, too. The process is also called global warming, because the average temperature across the planet is rising. So, what does it mean?

Climate change is largely caused by the increase of carbon dioxide in the atmosphere. This gas is vital to life on Earth, because all plants need it to survive. However, when too much gets into the atmosphere, it prevents heat from escaping back into space. This causes the planet to heat up.

Let's look at some numbers. China, the United States and India account for 50% of all of the carbon emissions on Earth. In 2018, China produced 10 billion tons. The main problem is burning fossil fuels, such as coal, to create electricity.

Since the 1980s, the global temperature has risen by just over 1°C. That may not seem like a lot, but scientists estimate that if it rises by just 0.5°C more, it could be irreversible.

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FOCUS ON - TEXT

1 **Which verb form is underlined in the sentence below?**

Tick one.

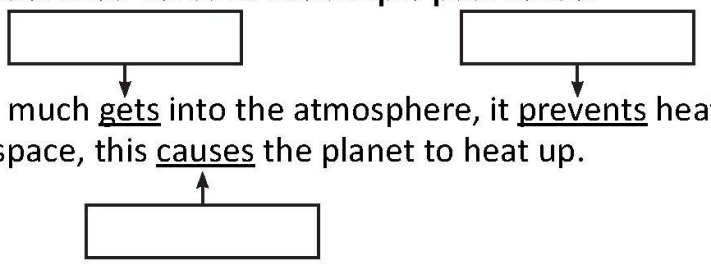
Since the 1980s, the global temperature <u>has risen</u> by just over 1°C.

- ◯ present
- ◯ past perfect
- ◯ present perfect
- ◯ past progressive

2 **Tick the two sentences that contain a prepositional phrase.**

- ◯ It's a scary term.
- ◯ The average temperature across the planet is rising.
- ◯ Too much carbon dioxide in the atmosphere prevents heat escaping back into space.
- ◯ The main problem is burning fossils fuels to create electricity.

3 **Rewrite the underlined verbs in the simple past tense.**



However, when too much <u>gets</u> into the atmosphere, it <u>prevents</u> heat from escaping back into space, this <u>causes</u> the planet to heat up.

4 **Underline the adverb in the sentence below.**

The process is also called global warming.

FOCUS ON - PUNCTUATION

1 **Write the original two words for each contracted word.**

without the contraction apostrophe	with the contraction apostrophe
	it's
	that's
	let's

2 **Underline the parenthesis.**

The main problem is burning fossil fuels, such as coal, to create electricity.

3 **Insert a pair of brackets around the parenthesis in the sentence below.**

Climate change is largely caused by the increase of carbon dioxide a gas vital to life in the atmosphere.

4 **Insert an apostrophe into the sentence below.**

50% of Earths carbon emissions are produced by China, the United States and India.

CHALLENGE

5 **Tick the sentence that is punctuated correctly.**

- ◯ China, the United States and India account for 50% of all carbon emissions in Earth China alone — produced 10 billion tons in 2018!
- ◯ China, the United States and India account for 50% of all carbon emissions in Earth — China alone produced 10 billion tons in 2018!
- ◯ China, the United States and India — account for 50% of all carbon emissions in Earth China alone produced 10 billion tons in 2018!

Answers - Climate Change

TEXT

1. 3rd option – present perfect
2. 2nd option – The average temperature across the planet is rising.

3rd option – Too much carbon dioxide in the atmosphere prevents heat escaping back into space.

3. However, when too much **got** into the atmosphere, it **prevented** heat from escaping back into space, this **caused** the planet to heat up.
4. The process is **also** called global warming.

PUNCTUATION

1. it's = it is
   that's = that is
   let's = let us
2. The main problem is burning fossil fuels, **such as coal**, to create electricity.
3. Climate change is largely caused by the increase of carbon dioxide (a gas vital to life) in the atmosphere.
4. 50 % of Earth's carbon emissions are produced by China, the United States and India.

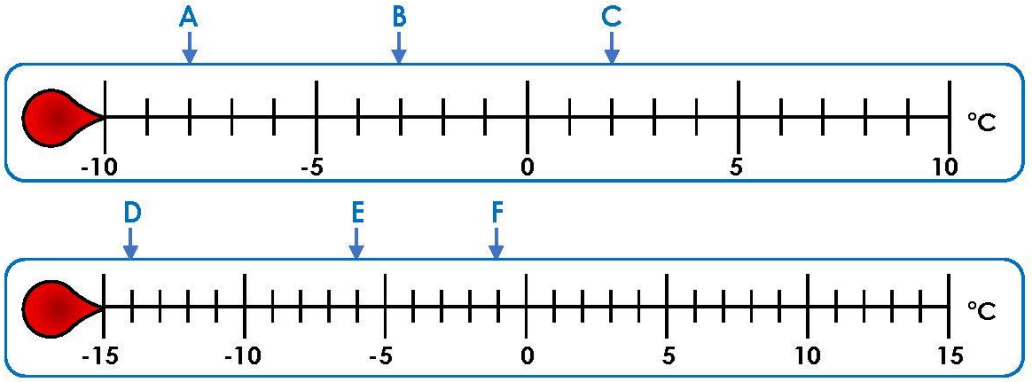
CHALLENGE QUESTION:

2nd option

China, the United States and India account for 50% of all carbon emissions in Earth — China alone produced 10 billion tons in 2018!

Negative Numbers

4. Identify the temperatures marked on the thermometers.

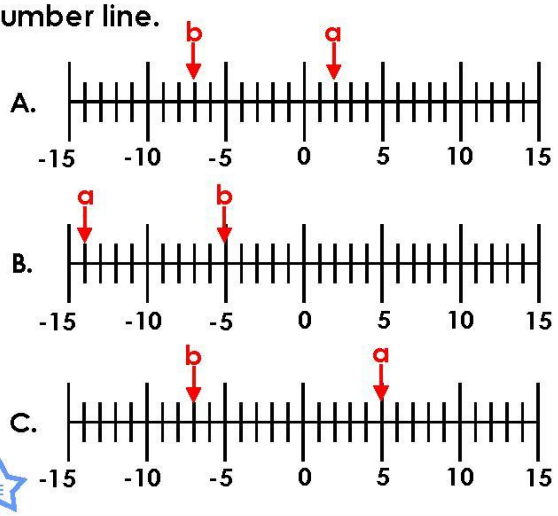


Order the temperatures in descending order.

E

VF
HW/Ext

5. Match the starting temperature to the temperature change and its corresponding number line.



Starting Temperature (Point a)	Temperature Change (point b)
2°C	– 12°C
-14°C	– 9°C
5°C	+9°C

E

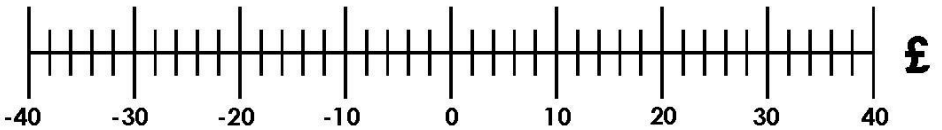
VF
HW/Ext

6. Steph is working out how much money she has left after her bills are paid in April, May and June. Mark her balance on the number line for each month.

A. In April, her balance is an even amount between -£20 and -£28

B. In May, her balance is £6 more than in June.

C. In June, her balance is £12 less than in April.



Is there more than one possible answer?

E

RPS
HW/Ext

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Homework/Extension
Negative Numbers

Expected

4. A = -8°C; B = -3°C; C = 2°C; D = -14°C; E = -6°C; F = -1°C; Order: C, F, B, E, A, D
5. A) a = 2°C, b = – 9°C; B) a = -14°C, b = + 9°C; C) a = 5°C, b = – 12°C
6. There are three possibilities: A = -£22, B = -£28, C = -£34; A = -£24, B = -£30, C = -£36; A = -£26, B = -£32, C = -£38.

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Run word family

What affixes (prefixes and suffixes) or bases can you add to change the meaning of the base 'run'? E.g. 'running'

runway

rerun
reruns

outrun
overrun

run

"move swiftly on two legs or hurry"

running
runner
runners

runny
runnier
runniest

runaway