

## Tuesday 31<sup>st</sup> March, Year 6

### A joke from Mrs Gogarty:

### How do you fix a broken pizza?

### With tomato paste.

### English

Here are the answers to yesterday's comprehension about space.

1. **Award 1 mark** for explaining that it is impossible for most people because it costs too much, e.g.
  - *most people can't afford it*
  - *it is too expensive.*

**1 mark**
  
2. **Award 1 mark** for answers that refer to floating down the tube (holding the cable).

**1 mark**
  
3. **Award 1 mark** for identifying any of the following activities, up to a maximum of **2 marks:**
  1. look at Earth or space / admire the view, e.g.
    - *admire unique views of Earth*
    - *look at the outside of earth*
    - *look down at Earth.*
  
  2. experience weightlessness / activities associated with floating, e.g.
    - *enjoy being weightless*
    - *enjoy the endless entertainment of being weightless.*
  
  3. space-walk, e.g.
    - *do a space walk.*

**Do not accept** plausible experiences that are not derived from the text or are unconnected with space travel, e.g.

  - *take photos of the moon / see what the Moon is made from*

- *I'd write a blog*
- *stay in a hotel.*

**Up to 2 marks**

4. **Award 1 mark** for (around £)14 million / (£)14m.

**1 mark**

5. **Award 1 mark** for answers referring to the fact that it can be seen from Earth, e.g.

- *You can see it from / on Earth.*

**1 mark**

6. **Award 1 mark** for answers recognising that she was the first female space tourist.

- *she was the first lady to have a holiday in space*
- *she was the first female tourist in space.*

**Do not accept** answers that say she was the first female (into space).

**1 mark**

7. **Award 2 marks** for all **three** correct.

**Award 1 mark** for **two** correct.

Where did she start her trip?	<ul style="list-style-type: none"> <li>• <i>Russia</i></li> </ul> <b>Do not accept</b> Russian ISS or Earth
Where did she stay in space?	<ul style="list-style-type: none"> <li>• <i>space station / ISS</i></li> </ul>
How long did she stay in space?	<ul style="list-style-type: none"> <li>• <i>8 days</i></li> </ul> <b>Do not accept</b> 8

**Up to 2 marks**

8. **Award 1 mark** for either of the following:

1. *(Well) my friends*
2. *Everyone wants to know.*

**Do not accept** longer quotations from the text.

**1 mark**

9. **Award 2 marks** for answers that contain **both** an appropriate reference to Anousheh's positive attitude, inferred from the text, **and** development in the form of a relevant quote / example(s) of

activities she did in space, e.g.

- *you can tell that she liked space because of all the fun things she wrote like floating about without any effort and lifting heavy things*  
[positive attitude + examples of activities]
- *she enjoyed it because of all the wonderful advantages she kept on describing* [positive attitude + quote]
- *she felt wonderful being able to do somersaults and flying around*  
[positive attitude + examples of activities].

**Award 1 mark** for identifying Anousheh's positive attitude inferred from the text, e.g.

- *she loved it / she felt it was wonderful.*

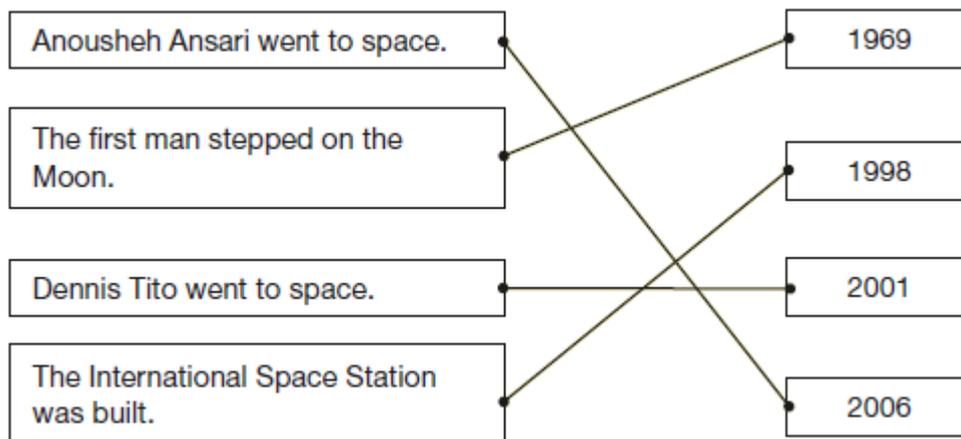
**Also accept for 1 mark** the following quotations (as they convey positive emotion), e.g.

- *she said being weightless had some wonderful advantages*
- *everything is effortless.*

**Do not accept** emotions that are not supported by the text, e.g. pride.

**Up to 2 marks**

10. **Award 1 mark** for all **four** pairs matched correctly.



**1 mark**

11. **Award 1 mark** for all **four** correct.

	Fact	Opinion
Anousheh Ansari kept an online diary.	✓	
Brushing your teeth in space is a joy.		✓
Being weightless is endlessly entertaining.		✓
Tourists can stay on the International Space Station.	✓	

1 mark

12. **Award 1 mark** for either acceptable point:

1. the rock bums very quickly, e.g. • they bum quickly / suddenly / instantly
  - *it happens fast.*
2. the rock bums brightly, e.g.
  - *when the rock burns you get a dazzling light.*

**Do not accept** reference to speed of travel, e.g.

- *they go / fly / travel very quickly.*

1 mark

13. **Award 1 mark** for the correct option ticked.

- set out.
- meet.
- pack up.
- plan.

1 mark

14. **Award 1 mark** for reference to any of the following acceptable points, up to a maximum of **2 marks**:

1. accessible location, e.g.
  - *You don't have to travel far to do it*
  - *You don't have to be in space (to see them)*
  - *You don't have to leave Earth.*
2. you do not need specialist equipment, e.g.

- You can do it with things you'll have in the house
- You don't need a telescope or binoculars
- You don't need any expensive equipment
- It sounds easy because all you need is a nice spot, a blanket, pillow and torch.

3. you don't need an expert to show you how to do it, e.g.

- You just need to go with an adult, they don't need to know anything about space.

**Do not accept** answers that are focussed on the structure of page 6, e.g.

- the instructions are laid out clearly.

**2 marks**

15. **Award 1 mark** for all **four** correct.

	True	False
Take warm clothes, a blanket, a pillow and a torch.	✓	
Stay close to town.		✓
Point your torch up to the sky.		✓
You must have binoculars.		✓

Now read the text below carefully and then answer the questions in your book.



### **Charlie Small**

Charlie Small is a young boy who has had lots of amazing adventures.

### **Meet Charlie Small!**

When Charlie Small was eight years old he just popped out to go exploring and something strange happened to him. Since then he has never got any older (he is still eight years old!) but he has had lots of different adventures, helped by his friend, the inventor Jakeman.

We recently caught up with Charlie and asked him some questions.

#### **Tell us about some of your adventures.**

I've travelled in space, been King of Gorillas, joined a gang of cut-throat pirates and lots more.

#### **What was your most exciting adventure?**

The Mummy's Tomb, when I got chased by a smoke demon.

#### **What are your favourite pastimes?**

Riding my hover-scooter, swinging through trees and battling to defeat my *arch enemy* Joseph Craik.

#### **What other languages can you speak, apart from Gorilla?**

I can speak a little bit of Mole. I can understand the howls of Braemar the White Wolf and I can speak Chimp too.

#### **When will you return home?**

I am still trying to get back home, but until I do,

I'm going to keep a diary for each of my adventures. Meanwhile, mum is still expecting me back for tea...



Joseph Craik

**This is the opening of one of Charlie Small's diaries.**

## Chapter 1

### **A Rude Awakening**

I was driving across a wide plain on the Air-rider, a hover-scooter specially designed for me by my pal, Jakeman. He's an incredible inventor whose marvellous machines have helped me loads on my adventures.

I hovered a few centimetres from the ground and skimmed along at thirty kilometres an hour. The long grass rippled and the hot sun beat down, making the air shimmer and my eyes ache. In danger of getting heatstroke, I needed to get out of the sun.

To my left, the ground rose forming a series of cone-shaped hills, covered with patchy woodland. Opening the scooter's throttle, I zoomed towards the trees, and parked in their cool shade.

Suddenly, as I stepped from my scooter, a large flower sprang up towards me. Its bright purple, rubbery petals opened like a fan and sprayed powdery mist into my face. I coughed and spluttered as more flowers rose up, filling the air with strong perfume. I tried to weave my way through them but my head began to spin. My eyes closed and I gave a jaw-shaking yawn. I felt I must lie down. I had to sleep.

Gradually, I became aware of a hand on my collar. I was lifted up, put under a rough arm and carried into the trees. The next thing I knew, a shower of icy-cold water splashed my face and a leathery hand gently slapped my cheeks.

"Wake up, Charlie," said a deep voice.

Opening my eyes, I looked into the face of an adult male gorilla. His great head and short, thick neck stood on massive shoulders, with arms as thick as my waist, and covered in coarse black hair.

1. Look at **Meet Charlie Small!**

**Find** and **copy** the information from the text to complete the fact file below about Charlie Small.

<b>Name</b>	<b>Charlie Small</b>
<b>Age</b>	
<b>Friend</b>	
<b>Worst enemy</b>	
<b>Most exciting adventure</b>	

2 marks

2. How does Charlie keep a record of his adventures?

1 mark

3. Look at the paragraph beginning: *I was driving across...*

**Find** and **copy two** words that show how much Charlie admires Jakeman.

1 mark

4. Look at the paragraph beginning: *I hovered a few centimetres...*

What effect did the heat have on Charlie?

1 mark

5. Look at the paragraph beginning: *To my left, the ground...*

Give the meaning of the word *zoomed* in this sentence.

1 mark

6. Where does Charlie leave his scooter?

1 mark

7. Look at the paragraph beginning: *Suddenly, as I stepped...*

How does the text make the flowers seem dangerous?

Give **two** ways.

1.

2.

2 marks

8. Look at **A Rude Awakening**.

Number the following (1-5) to show the order in which they happen in the story.

The first one has been done for you.

A gorilla carries Charlie into the trees.

A gorilla stands looking down at Charlie.

Flowers spring up, spraying a mist.

Charlie feels extremely tired.

Charlie drives across a wide plain.

1 mark

9. Read from the paragraph beginning: "*Wake up, Charlie...*" to the end of the story.

How does this ending create suspense?

1 mark

10. Look at **Meet Charlie Small!** and **A Rude Awakening**.

How do the texts suggest that Charlie has met gorillas in his past adventures?

Give **two** ways.

1.

2.

2 marks

**I will give you the answers tomorrow.**

## **Spellings**

disappointed

dissatisfied

dissimilar

unsure

unnecessary

unnatural

overseas

overrule

overreact

impatient

immobile

immovable

Write these words in sentences in your home learning book.

## **Maths**

Watch this video clip. It will remind you about algebra. Today you are going to revise **how to find pairs of values**.

<https://www.youtube.com/watch?v=NybHckSEQBI>

Now turn to the next six pages in your home learning pack from Classroom Secrets on **finding pairs of values**. Spend 30 minutes working through them. (You can spend longer if you like.) You can do them on the sheets or in your book. You will all finish a different number of sheets, and that is fine.

If you don't have your home learning pack yet, please use this link. You can download the worksheets so that you can see them on the screen, and do them in your book.

<https://classroomsecrets.co.uk/free-home-learning-packs/>

Once you have finished, please ask someone at home to mark your work for you, using the answers from the answer pack. (The answer booklet is also available if you follow the link above.)

## **Extras**

Don't forget to read!

Practise your times tables – look at

<https://www.timestables.co.uk/games/> and create a free account.

Log onto NumBots and Times Table Rock Stars.

## Whole week projects: History. MAYA MATHEMATICS

### Challenge 1: Numbers under 19

Please draw this key out in your book. Use it to write your date of birth, phone number and 30 Maths questions in Maya numerals. (They must all use numbers that are less than 20.) Remember, the Maya invented the number 'zero'.

 0	 1	 2	 3	 4
 5	 6	 7	 8	 9
 10	 11	 12	 13	 14
 15	 16	 17	 18	 19

### Challenge 2: Numbers up to 399

Now, have a go at reading these higher numbers. Look really carefully at the explanation below. Then draw the Mayan numbers in your book and write their equivalent in our number system. (The answers are on the next page, but don't look until you've had a go at working them all out!)

## 0-399 Maya Number System

Can you work out these Maya numbers? Use the key to help you.

 <input type="text"/>	 <input type="text"/>	 <input type="text"/>
 <input type="text"/>	 <input type="text"/>	 <input type="text"/>
 <input type="text"/>	 <input type="text"/>	 <input type="text"/>
 <input type="text"/>	 <input type="text"/>	 <input type="text"/>

The Maya only counted up to 20. After that they would count in multiples of 20.


The symbols in the top row need to be added together and multiplied by 20:  
 $(1+5) \times 20 = ?$

The bottom row simply needs to be added together:  
 $1 + 1 + 5 + 5 = ?$

The total value of the symbols can be calculated by simply combining the two values together!  
 $(6 \times 20) + (1 + 1 + 5 + 5) = ?$

Key	
	0
	1
	5
Number of 20s	
Number of 1s and 5s	



## 0-399 Maya Number System Answers

 6	 49	 132
 160	 120	 325
 50	 347	 258
 118	 59	 109

## Science

### L.O. To explain what electrical conductors and insulators are.

Watch this clip about conductors and insulators.

<https://www.youtube.com/watch?v=qIF90dhqGPY>

Your challenges can now be written up in your book.

### Challenge one

**Conduct** electricity means to let electricity travel through it. Can you think of as many things as possible that conduct electricity, including items that you saw on the clip and things that you may have in your house? Put a heading of "Conductors of Electricity." Draw and label the items under this heading.

### Challenge two

An **insulator** means something that will not let electricity pass through it. Can you think of as many things as possible that will not allow electricity to pass through them? Put a heading of "Insulators of Electricity." Draw and label the items under this heading.

### Challenge three

Give a detailed explanation of the experiment that you saw in the clip.