



NATIONAL GEOGRAPHIC

Hey Kids,

It's lovely and sunny as I write - let's hope it stays that way for the rest of the summer! But even if it doesn't, you'll find loads to entertain you in our fun



puzzle pull-out, crammed with brilliant braintraining exercises! Plus, turn to page 14 to read about five inspiring conservationists who are helping to save the animals they love, such as this month's cover star, the orangutan. Yay!

Also this issue, we're celebrating the anniversary of the Moon landings - it's been 50 years since brave astronauts walked on the mysterious lunar surface. Leam more on page 40! Enjoy!

Editor, Tim



6 POSTERS!

Write to NG KiDS

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What's inside...











- Inside Scoop All the latest news and events from across the globe...
- Wacky World! There are some bonkers things going on out there!
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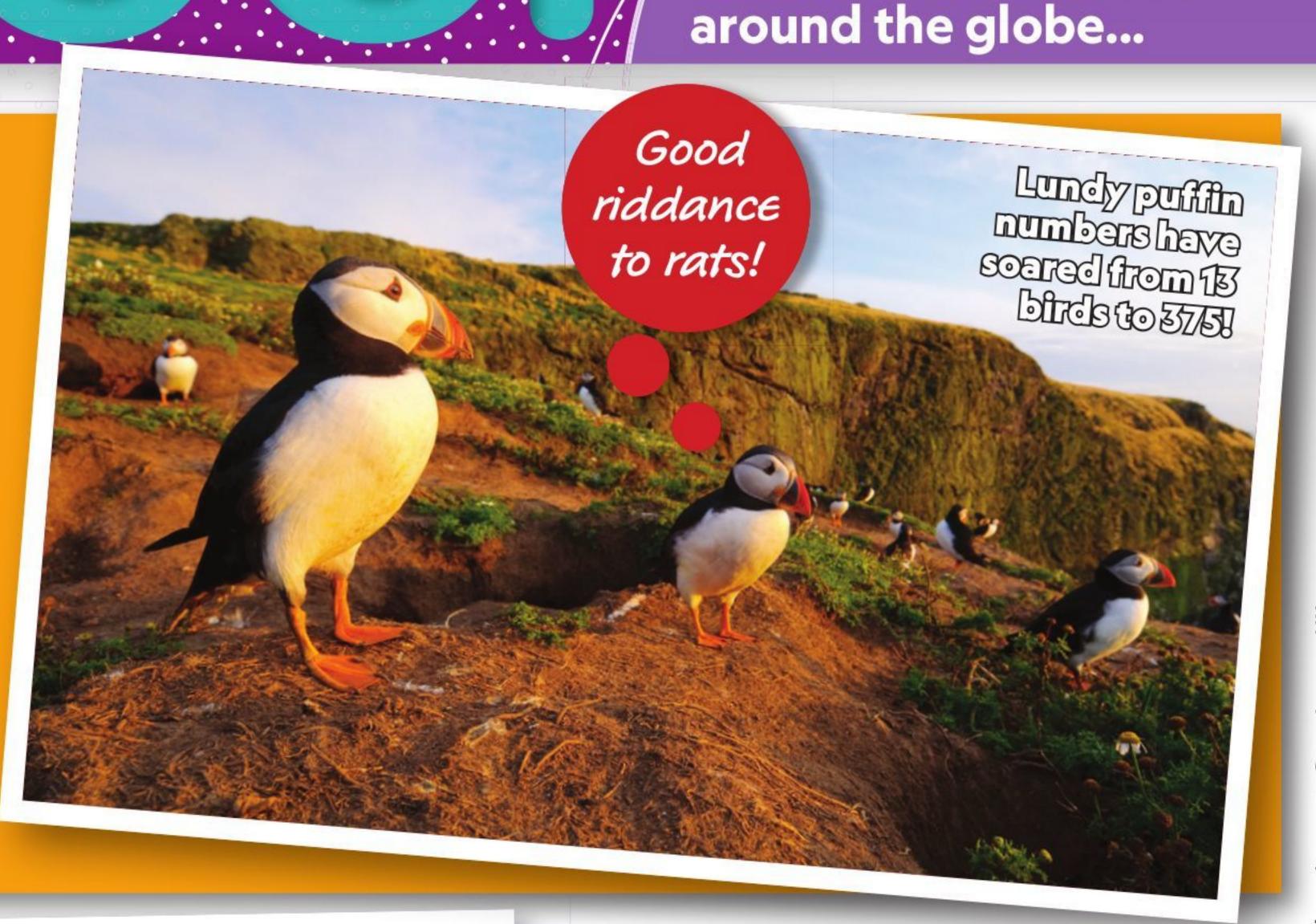
Max treks over to Peru to explore the ancient city of Machu Picchu

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Seabirds soar!

Seabird numbers have **trebled** on the British island of **Lundy** – and its all due to getting rid of **rats**. The small island's bird population was in **danger of extinction**, because **invasive brown** and **black rats** had been preying on the eggs and chicks of **ground-nesting seabirds**. So back in 2002, the **RSPB** launched a project to eradicate the **non-native rodents**, which had arrived as stowaways on ships. And by 2006, Lundy, off the coast of **Devon**, was declared rat free. Hoorah!

Since then, the birds have made a **dramatic recovery** and the latest study shows that **puffins**, **guillemots** and **Manx shearwaters** are thriving. Flapping brilliant!



Go green to graduate!



Students in the Philippines,
Southeast Asia must plant
at least ten trees before
they're allowed to graduate from
school or college – it's the law!

The Philippines is one of the world's most severely deforested countries, and so the saplings will be planted in locations all over the nation, from mangroves and forests to urban areas and abandoned mining sites. Thanks to the new law, it's hoped that 175 million trees will be planted every year, absorbing carbon dioxide and helping combat the climate crisis. *Tree*-mendous news!

5 FAST FACTS!

Ravens at the Tower of London

Four new raven chicks hatched at the tower in April this year! But why do the birds live there in the first place?

According to legend, should the ravens ever leave the tower, it will crumble into dust and a great harm will befall the kingdom. King Charles II didn't want to risk that, so it's said in the 1600s he decreed there should always be at least six ravens in the fortress.

The brainy birds are looked after by the 'ravenmaster', who feeds them meat twice a day, plus blood-soaked biscuits as a treat! Free to patrol their 'territory' by day, at night they're summoned to bed by their master's whistle.

Day (23 April), the four new baby ravens were the first to be bred at the Tower for 30 years!
When they're fully grown (70cm long) just one of the birds will stay – and will be named George or Georgina after their day of birth!





Can I bee of assistance?

A pair of 'flying' robots called Astrobees were welcomed on board the International Space **Station** last month!

The cube-shaped 'bots, named **Bumble** and **Honey**, will help astronauts with experiments as they 'fly' through the microgravity of the space lab using electric fans. They can either be operated by astronauts, or by researchers back on Earth, as well as carrying out tasks by themselves.

The Astrobees will take over **dull duties**, such as cataloguing equipment and moving cargo, so astronauts have time to carry out more complex tasks. They must be absolutely buzzing!



JULY

Underwater Music Festival

Every July, song-loving scuba divers head to Looe Key coral reef in Florida, USA, to listen to sea-themed tunes beneath the waves!

Dressed up as ocean creatures, mermaids and rockstars, hundreds of divers gather around underwater speakers and bob along to tunes such as **Yellow Submarine** by the Beatles, with many swimmers pretending to play musical-instrument sculptures created by local artist August Powers. Participants say music sounds different underwater, with less bass and a more 'ethereal' quality.

The organisers started the event in **1985** as a way of raising awareness of coral preservation at Looe Key, which is the USA's only living coral reef. Let's hope the fish enjoy the music as much as the humans do!

MAKEITA

What's going on this month?



Ooh la la, it's France's national day!



St. Swithin's Day

If it rains today, tradition says it will rain for 40 more days!



Nelson Mandela Day

Visit mandeladay.com to learn about the South African leader



Global Tiger Day

A grrrreat time to raise awareness of tigers!



What would we do without our fwends?

Check out the planet's strangest pictures...



Yabba dabba duel!

Florence Fang lives in a house that's dedicated to her love of the 1960s' TV series *The Flintstones*! Sculptures of the cartoon's Stone-Age characters Fred, Wilma, Barney and Betty live in the garden, alongside a herd of 4.5-m-high metal dinosaurs. Oh, and a giraffe, woolly mammoth and a rainbow. Unfortunately, the local council in Hillsborough, USA, isn't amused by her bonkers backyard and has ordered her to tear down the 'public nuisance'. Oops.



Have you ever seen (or heard) a cuckoo clock? Well, most are pretty small (see pic, right). But in Triberg, Germany, they have a competition to make the largest in the world. Check out this one, below!







Surpr-eye-sing

Park rangers in northern

Australia discovered a

three-eyed snake slithering
along a road outside Darwin in

May. An X-ray showed the 40-cmlong carpet python had one skull
with an additional eye socket and
three functioning eyes. Wow!



SCI-FI SIGHTING

Meet astronomer

Dr. Hubert Zitt. He's

painted his observatory in

Zweibrücken, Germany,

to look like R2-D2

from **Star Wars**!



BREAK

These kids from Princess
Frederica Primary School
in West London took
part in the world's biggest
mindfulness lesson on
10 May. Did your
class join in, too?



MAGIC MOTORBIKE

Designers in France have invented a motorbike that flies! The Lazareth LMV 496 is the first motorcycle in the world that can be transformed into a quadricopter. Cool!

Stone age living and cuckoo clocks © Getty Images UK; Surpr-eye-sing snake © Northern Territory Parks and Wildlife Commission; All others © Cover Images.



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At Yorkshire Tea we've planted millions of trees over the years - and we want to plant a million more by 2020.

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TAP CAMERA



SCAN THIS CODE



Squabbling starlings

British wildlife photographer Adrian Clarke wanted to capture the frantic action that happens when starlings fight for food, so he set up a **feeding area** in his garden and hung up some black matting as a backdrop.

Inspired by photographs of ballet dancers in motion, Adrian's ace pic uses a slow shutter speed and multiple flashes to both freeze and blur the flapping wings.

Despite being taken in his back yard, Adrian's snap, titled Flashdance, scooped first place in the Birdlife category of the British Photography Awards!

"If you think outside the box, you don't have to travel far to get great images!" he says. Starling effort, Adrian!

Head to britishphotographyawards.org to check out all the winners.



WHAT'S

Films and books to get excited about this month...

ENTER ALL COMPS ON PAGE 55!

The Lion King

Young lion cub Simba idolises his father, King Mufasa, and hopes to follow in his dad's mighty paw-steps. But Scar -Mufasa's evil **brother** – has sinister plans to take the throne for himself. Simba is forced to flee the kingdom, and with the help of two new friends, he must figure out how to take back what's rightfully his.

The life-like animation in this remake of the classic **Disney** cartoon makes the animals seem really real! Well, apart from the fact they can talk. Prepare to come out singing!

On screens 19 July



Horrible Histories: The Rotten Romans



You've read the books and watched the TV show – now it's time for the **movie! Teenage** Roman soldier Atti is banished from Rome by **Emperor Nero** and forced to fight in Britain. But he's soon captured by a feisty Celtic wannabe warrior called Orla, and the pair get caught up in the historic Battle of Watling Street between rebel Queen Boudicca and the Romans. Who will get out alive?!

In cinemas 26 July

For your chance to win one of **five goody bags**, answer this question...

HONINE HISTORIES

What did important Romans usually wear? a) Tofu b) Toga c) Togo

Nero

One of the most notorious emperors of Rome, Nero had a nasty habit of executing anyone who didn't agree with him. Eek! He also loved a bit of a sing-song, racing chariots, and playing the lyre (a bit like a small **harp**).



Agrippina

Nero's power-hungry mum, Agrippina, loved bossing

her son about when he became emperor. But he soon got fed up of her making political decisions for him and the pair had a big falling out!



Apollo 11

This fascinating documentary is out-of-this-world - literally! Get set to travel to the Moon and back with never-before-seen footage of NASA's Apollo 11 mission. Go behind the scenes and discover what it was like for astronauts Neil Armstrong and Buzz Aldrin, the Mission **Control** team and millions of spectators, when humankind first set foot on the Moon back in 1969!

In cinemas 28 June



Spider-Man: Fal

The next chapter of the Spider-Man: Homecoming series sees Peter Parker heading off on a school trip to Europe (including London!) with his best friends **Ned** and **MJ**. He plans to take a well-deserved break for a couple of weeks, but when superhero boss Nick Fury asks for his help, Spidey knows it's time for another adventure!

With enormous monsters causing havoc, and an epic new stealth suit to get used to, will Spider-Man be able to work out who's up to no good and keep his identity secret from his friends? One thing's for sure – he won't forget this holiday in a hurry!

On screens 2 July















Movie

HORRIBLE WHO'S WHO!

Boudicca

This brave, bolshy warrior was **Queen** of the Iceni tribe of Norfolk. She led a massive uprising against the invading Romans, and her soldiers



were painted blue to look more scary. Her name comes from the Celtic word 'bouda' which means victory.

Claudius

Nero's stepdad Claudius was the fourth Roman Emperor. During his 13-year reign, he conquered tons of new

lands, including Britain, introduced new laws, and built loads of roads. But in 54AD he was **poisoned**, probably by his wife Agrippina (left) so her son Nero could take over. Yikes!



Your book reviews

Sea-ing is Believing! (Nothing to See Here Hotel Book 3) Steven Butler

This amazing story is set in the Nothing to See Here Hotel, which has everything from birthday parties to sea monsters. I think my favourite character would be Maudlin Maloney because she is a grumpy old leprechaun who has 20 pet chickens. In some bits I was laughing hysterically!

I found some of the characters a little weird, but I would still definitely recommend it. I would give it a rating of seven out of ten.



Buddy, 7

Asha & the Spirit Bird Jasbinder Bilan

Set in India, Asha & the Spirit Bird is about a determined girl who needs to find her father in order to keep her

house! She is accompanied on this mission by a spirit bird (her Nanijee) and her best friend Jeevan. But many dangers await them on their treacherous journey...

The adventure had so many twists and turns you never knew what would happen next. I was laughing hard one minute and sobbing the next.



Lilly, 10

Pissa Savage

The Truth about Martians Melissa Savage

The year is 1947. Mylo and Dibs are really good friends who live near Roswell, USA. During a storm, a flying saucer hits Earth. The boys begin an adventure to find it and end up making a new friend.

The book was tricky to read because it had lots of American slang, but the glossary of awesome snacks at the beginning was really helpful. It's very cool, funny and full of action, but also had moments when it was sad. I would recommend it to any **Superman** fans!



William, 9

From Home

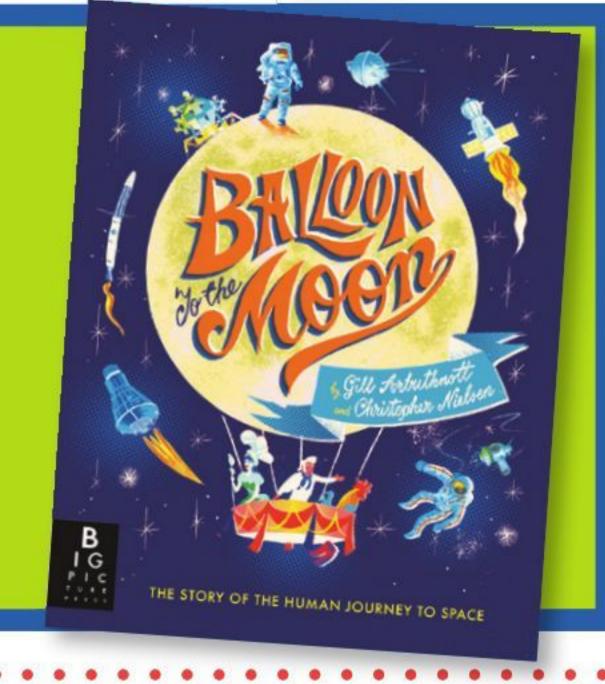


FACT BOOK OF THE MONTH

Balloon to the Moon

Gill Arbuthnott and Christopher Nielsen

Prepare for liftoff! Each chapter of this brilliant book describes an important stage of flight - starting with the hot-air-balloon-making Montgolfier brothers, and counting down to the legendary Moon landing. Packed with fascinating facts, awesome illustrations and tons of amazing stories, this book is a real blast!



The Apollo 11 astronauts brougnt back 20kg of rock samples from the Moon. They left behind their boots, backpacks, cameras and a capsule containing messages from 77 world leaders.

Five readers will scoop all four books on this page! What month in 1969 did Neil Armstrong and Buzz Aldrin land on the Moon? a) June b) July c) August



Baltimore, Maryland, USA

When a wild eastern box turtle arrived at Maryland Zoo with a **broken bottom shell**, staff wondered how to help. The vets could fix the fracture, but how would they keep the shell off the ground to heal?

That's when a vet student had an idea – to build a wheelchair made out of **LEGO**! He sent sketches to a brick-loving friend, and the two created a design while the vets performed surgery on the turtle. A few weeks later, the zoo's medical team used putty to attach the DIY wheelchair to the edges of the turtle's top shell. "The minute we put the chair on, the turtle took off," lead vet Ellen Bronson says. "You could tell it was feeling better."

The turtle will rest in an outdoor enclosure until its shell heals. Someday the reptile won't need its wheels anymore, and then it'll be time to go back to the wild. This turtle's really on a roll!



Doggy high dive

East Sussex, England

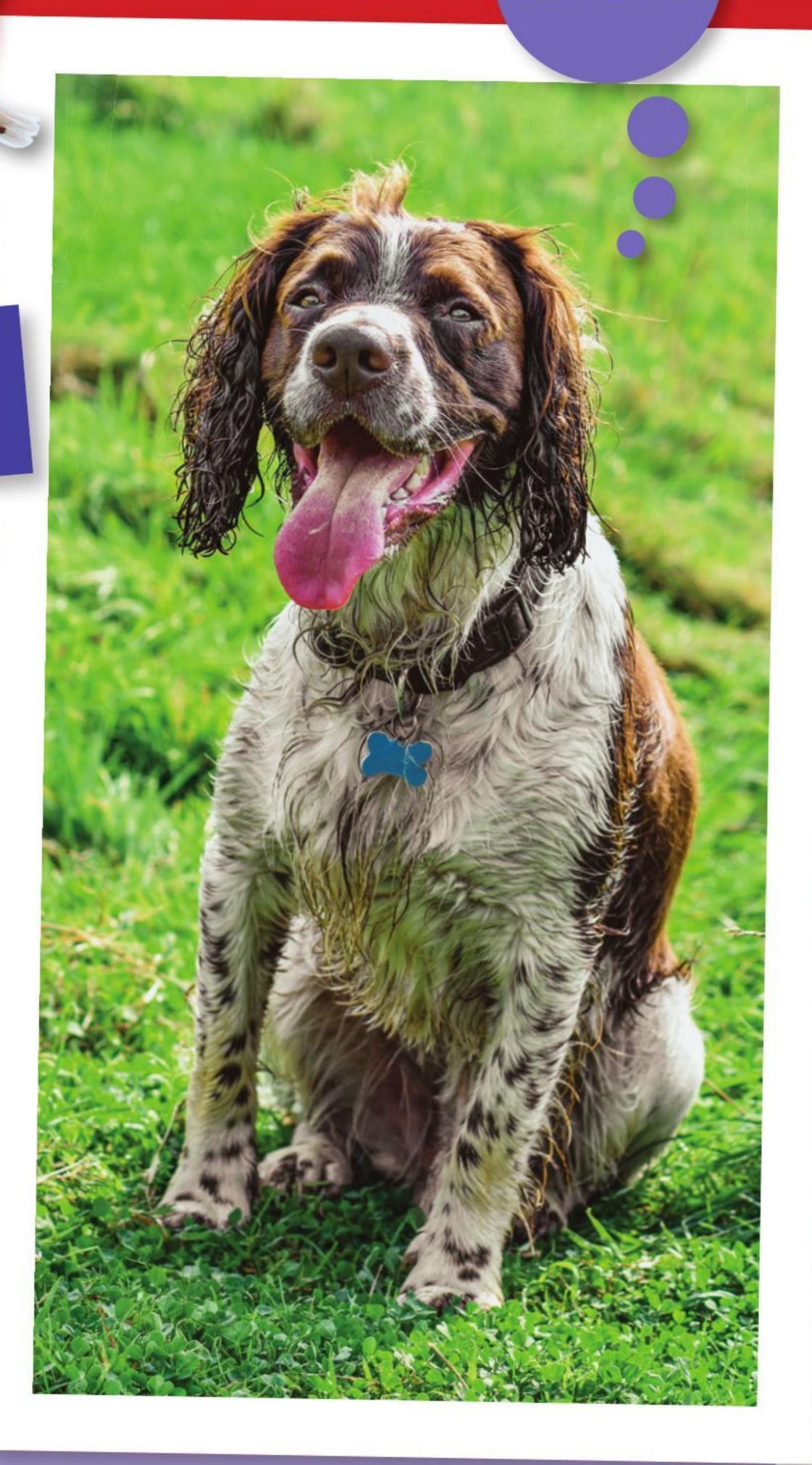
Poppy the English springer spaniel was just doing what she loved when she chased a seagull during a walk. But when the gull flapped away, Poppy kept chasing it – right over a 90m cliff!

The horrified couple taking her for walkies rushed to the edge of the famous **Seven Sisters** cliff, and looked down. Poppy had fallen straight into

the **English Channel**. She was alive but helpless in the chilly waves.

As her dog-walkers called for help, the clever canine paddled to a tiny beach about 10 metres away. And for 10 minutes she huddled there until a rescue boat from the Royal National Lifeboat Institution reached her.

"Spaniels are great swimmers," says Ginnie Klein of the Golden Gate English Springer Spaniel Association. "But surviving such an ordeal is pure luck."
Sounds like Poppy could fly as



Fox Swipes Shoes

Föhren, Germany

Who'd want someone else's stinky shoes? That's what residents of a town in Germany wondered when footwear started vanishing from their doorsteps.
Suspects included neighbours, dogs – even their own kids. But then a forest worker discovered around 250 shoes scattered near a fox den. A fox had outfoxed the town!

Why would a four-legged fur ball have a thing for shoes? Well, like dogs, foxes enjoy chewing and playing, and urban wildlife scientist John Hadidian thinks the fox was probably just having fun. That doesn't mean all foxes are shoe thieves, however. "This is probably one fox in a million," he says. "She has in her head that she likes shoes."

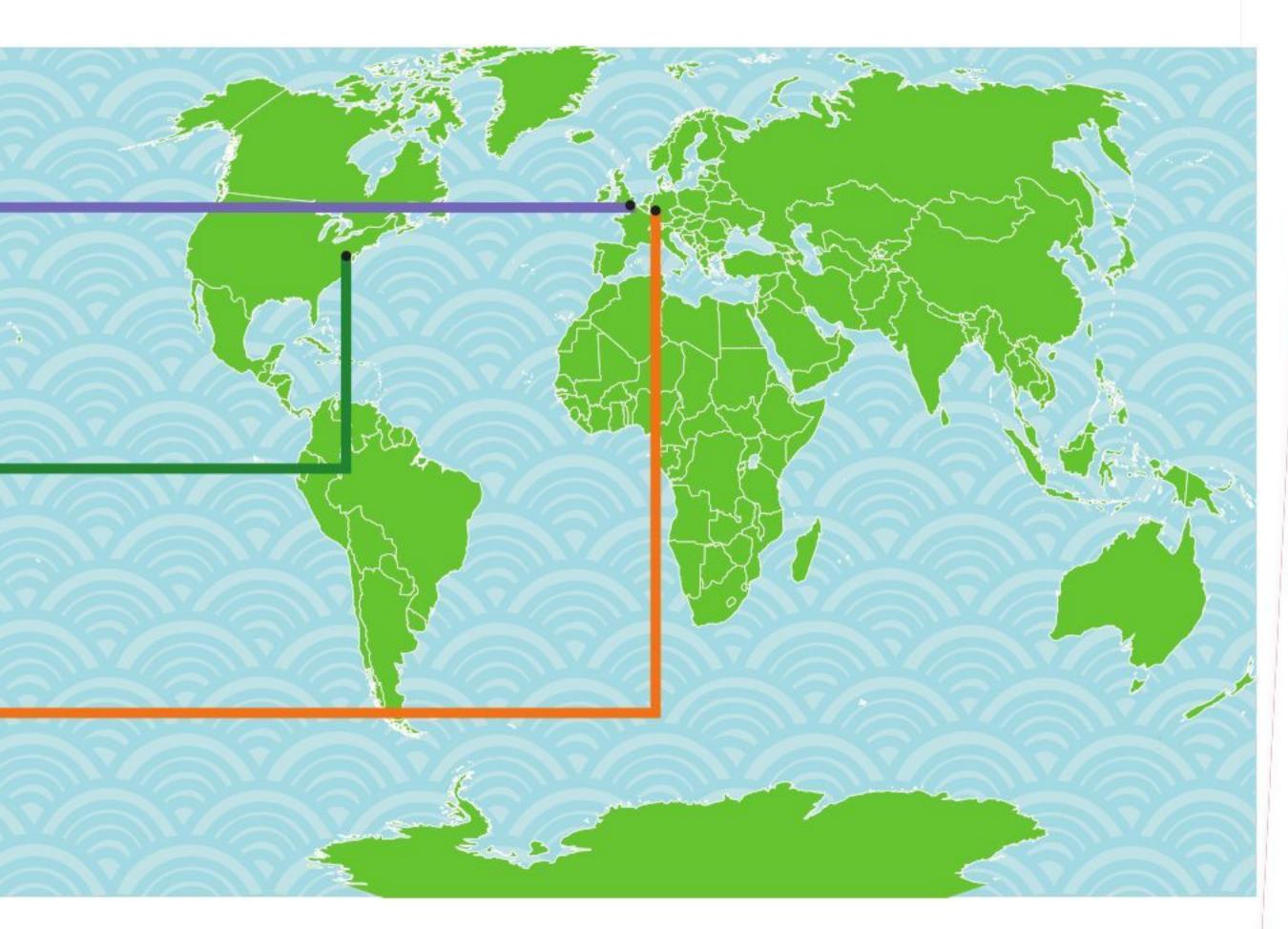
The stolen shoes were **displayed**in town so residents could reclaim
them, and the cheeky fox has
moved on to new territory.
But folk in Föhren now know
better than to leave their
footwear outside!

SHOE WIN SOME, SHOE LOSE SOME.



TURTLE
Baltimore,
Maryland, USA

FOX Föhren, Germany



well as swim!



Turtle \odot The Maryland Zoo; Dog \odot G A Goulding / Shutterstock; Gull \odot Vishnevskiy Vasily / Shutterstock; Fox \odot Laurent Geslin / Nature Picture Library.

Five conservation champions tell us how they're saving the species they love!

These green heroes have all won a 2019 Whitley award from the Whitley Fund for Nature. The prize money will help them do even more great work!

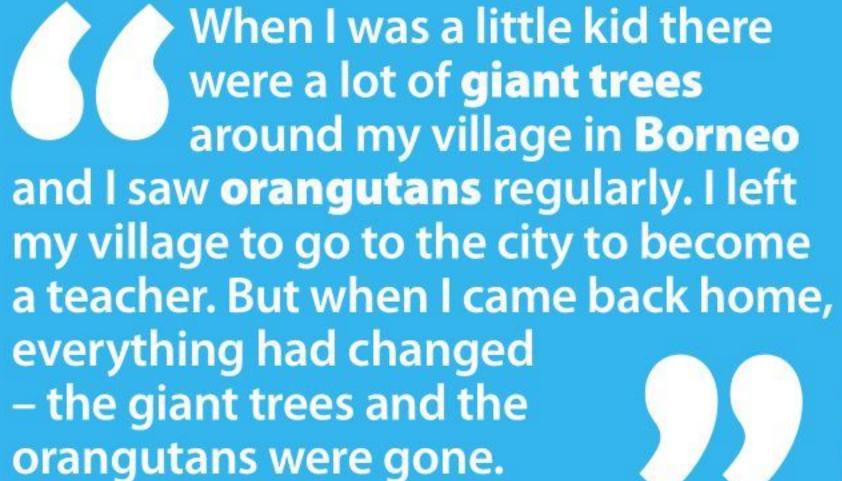
Orangutan populations have **declined** by over 50% in the last 60 years.

Unsustainable palm oil plantations, mining and illegal logging are destroying rainforests and the creatures that live in them.

WENDI TAMARISKA is protecting... BORNEANORANGUTANS

in Indonesia

Indonesia





I LOVE

YOU,

WENDI!

How he's helping

Gunung Palung National Park, in West Kalimantan, Indonesia, is home to 5,000 Critically Endangered Bornean orangutans. Wendi is working with illegal loggers and miners in the park, helping them to earn money without destroying the forest.





ILENA ZANELLA is saving...

SCALLOPED HAMMERHEAD

SHARKS in Costa Rica

I love hammerhead sharks.
I saw one for the first time in
Costa's Rica's Cocos Island
when I was a student and the
experience changed my life – I felt
that I needed to help them.

I visited fishing communities, and saw that fishing of juvenile (young) sharks was taking place all along the coast. You don't need to be a great scientist to know that without juveniles you will not have adults in the future. So my work has been to find and protect the nursery areas!

Oceans with sharks are healthy oceans. My vision for the future is that local people will feel proud about these sharks, and so they will respect and protect them.



Costa Rica

How she's helping

Thanks to Ilena, the coastal wetlands of Golfo Dulce where baby sharks grow up have been declared a Scalloped Hammerhead Shark Sanctuary! And hammerhead sharks have been taken off the menu in many restaurants. Brilliant!



in Ghana

My father was a park warden, so I spent most of my childhood running around the West African savannahs – and chasing baboons sometimes! I remember nights when lions would roar right in our back yard.

When I was seven I lost my father. Now, when I think of extinct species, I think of him, of losing a loved one with no possibility of ever having them back. And this is why helping species on the brink of extinction has been one of my life's passions. Since 2005, I've been doing everything I can to

help the Critically Endangered Togo slippery frog. When my two little girls grow up, I want them to hear the frog's unique calls, too.



Frog is a popular food in the Togo-Volta highlands - over 70% of people there said they'd eaten it! But Caleb is working with communities to change this. The frog is also threatened by **deforestation**, so Caleb has established Ghana's first ever protected area for amphibians and is planning to plant 20,000 trees.

The Togo slippery frog was thought to be extinct for nearly 40 years. But in 2005, a small population was discovered in eastern Ghana. Since then, Caleb has been fighting to keep them off the extinction list.

Ghana

I'M GOIN' ON NOBODY'S MENU!



The Togo slippery frog is also called the 'whistling frog' because of its whistle-like calls!



FLY!

JOSÉ SARASOLA is safeguarding... STAGE EAGLES

in Argentina

I was born and grew up in the Pampas, a place that has the most beautiful sunsets in the world. I loved nature, but my first encounter with an eagle was seeing a dead one tied to a post by a rancher – he thought it would scare other eagles away. This shocking image inspired a lifelong commitment to save the species.



Argentina

How he's helping

José has reduced poaching, put up wildlife-friendly electricity pylons, and built rescue ramps to help eagles that have fallen into water tanks – so now this beautiful bird has a chance to soar. Yay!

> José's research has proven that Chaco eagles are NOT a threat to farmers' livestock



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logging and pollution. We'll send you your very own adoption pack, including, a personalised certificate with a picture of your orca, a set of fun stickers and a colourful WDC badge. We'll keep you up-to-date on their daily lives through a great quarterly magazine, a monthly e-newsletter and you'll receive an email birthday and Christmas card.

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Love action-packed animal adventures? Then these fun new books by Ben Fogle will be your pawfect match...

nspired by his real-life animal **experiences**, this brilliant new series of books by epic explorer Ben Fogle is full of furry fun. If an animal's in trouble, you can always count on Mr Dog to help!

Mr Dog and the Seal Deal sees Mr Dog spending some time out at sea with his fishermen friends. But when a local seal

goes missing, Mr Dog sets out to solve the mystery!

In Mr Dog and the Rabbit *Habit*, Mr Dog ends up playing bunnysitter when a mother rabbit gets captured in a trap. Who's trying to get rid of all the rabbits? And will Mr Dog manage to save his fluffy-tailed friends?!



Sniff out a big adventure with...

Author answers!

We asked YOU to send us questions for Ben online. Here's what he had to say...

Amber, 7: Why is your character called Mr Dog? Ben: I once met a street dog in India that the local people called Mr Dog. He was a scraggy mutt but I loved the fact the locals called him Mr!

Igor, 9, and Max, 6: Who was the first person to read Mr Dog and the Rabbit Habit?

My son **Ludo** and my daughter lona read it at the same time. I was more nervous about them reading the book than anyone else!

Sophia, 5: Which big animal do you think would be the cutest if it was the same size as a mouse? I LOVE this question! I think a miniature elephant would be amazing. Imagine a tiny little elephant with its trunk and tusks!

be any animal, what would you turn into? I'd be a **whale! Imagine having** the ocean as your home and being able to travel thousands of miles in any direction!

George, 8: If you could



Joshua, 8: If you could go anywhere in the world where would you travel to?

I'd quite like to leave the world! Space exploration is the next frontier (along with deep sea exploration). I hope I get to travel into space one day! Max, 5: What's the funniest animal you've ever seen?

I think the **naked mole** rat (below) is pretty weird. They are what I would describe as beautifully ugly! Finn, 9: How have your travel adventures

Beautiful,

influenced your books? Throughout my adventures I've collected so ugly, or both?! many amazing tales about animals. I've tried to bring them to life in the Mr Dog

adventures!

Puppy puzzler

Can you find the following words hidden in this grid?

Ben Fogle **Mother Rabbit** Mr Dog Seal Deal **Rabbit Habit**

Answer on page 56

G G G G

Mr Dog books!

We've got five sets of both Mr Dog books up for grabs! For your chance to win, just tell us which of these ISN'T a breed of dog: a) Labradoodle b) Labrador c) Labradoogle

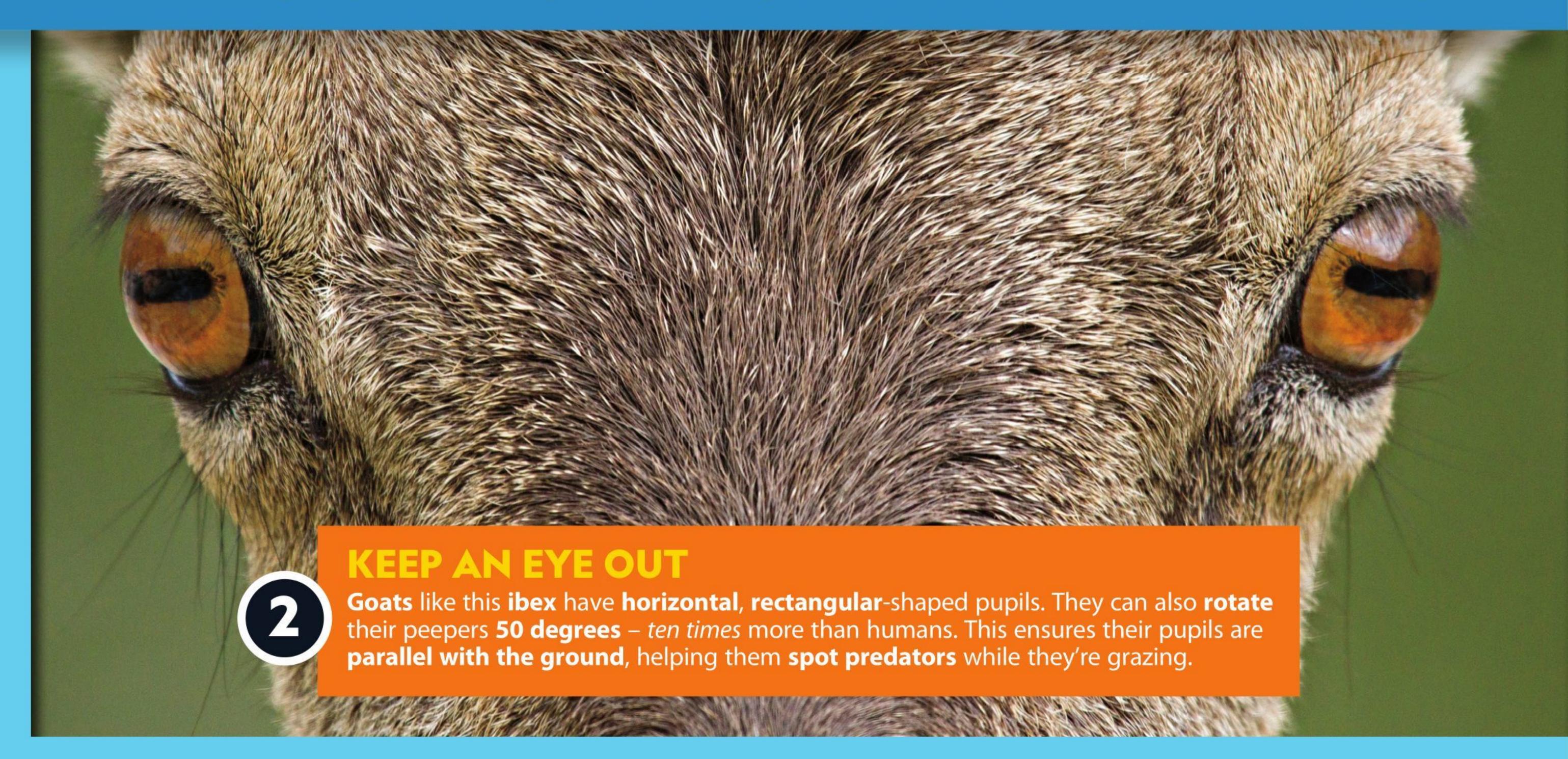


a design e



PECULIAR E E DE RIS

Here's looking at you! Seeing is believing with these wild and weird animal eyes...



ALL-SEEING EYE

Don't try to sneak up on a chameleon. Because this remarkable reptile has **eyes on the** back of its head! Well, kind of. A chameleon can independently rotate and focus each eye, giving it almost **360-degree** vision. So it can look at two different things at the same time. Whoa!



YOU HAVE

but its eyes are bigger than its brain! They help the **nocturnal primate** see better at night. A tarsier's eyes are fixed in its skull, but its **head can turn** 180 degrees to check out what's happening in its **Southeast Asian**



If there were a competition to find the 'Biggest Eye of Any Animal on the Planet', the giant squid would win tentacles down. Its eyes are the size of footballs! The deep-sea cephalopod's humongous peepers help it look out for its most feared predator – the sperm whale.

A tarsier might be tiny, forest habitat.



BUG-EYED

GIANT

SQUID EYE

DRAGONFLY EYES

Most of a dragonfly's head is made up of its eyes. Its prominent peepers allow the bug to see nearly everything

awesome

around it, except what's happening directly behind. Dragonflies can also tell colours apart better than humans. Clever!



VHO'S SEEN MY SHADES?

Geckos would win any staring contest – these lizards can't blink because they don't have eyelids. Most have big bulgy eyes with vertical pupils, like some snakes. Because they can't close their eyes when it's bright outside, geckos' pupils shrink to narrow slits to protect their eyes from the Sun's rays.



A LITTLE SHIFTY

An octopus's unique dumbbell-shaped pupils have a purpose besides just looking cool. They allow light to enter the lens from different directions, helping the super sea creature detect colour. But their eyes aren't the only things doing the seeing - some species of octopus can also detect light through their skin, which might explain why they're so good at camouflage!

MAGIC AT MIDNIGHT

A magic girl. A talking dog. Let's get this party started...

Poor Cinders lives with her selfish stepsisters and mean old stepmother – and life is no fun at all. But things get unexpectedly exciting when her hands start sparkling and her wishes begin to come true!

On top of this, Cinders' dog Sparks suddenly starts talking, and she

receives an invitation to a **glamorous** ball at the king's palace. Plus, she gets a **fairy godmother** – who can **fly**, is magic and is called...uh...Brian.

Unfortunately, Brian ISN'T very reliable, and Cinders ISN'T very good at magic. But at least her life **isn't boring** anymore – it's total chaos!



Spot the difference

Can you spot five differences between these two pictures of bumbling fairy godmother Brian?





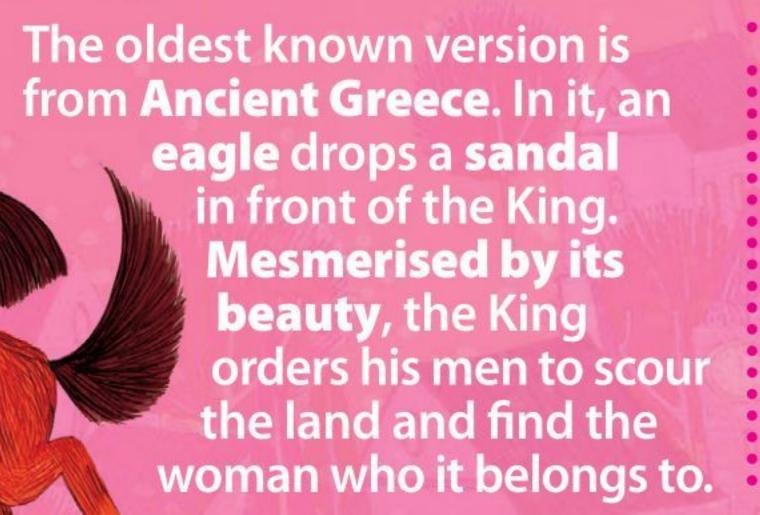
Answer on page 56

Magical gifts!

To celebrate the release of this brilliantly bonkers book, we've got a bundle of wand-rous goodies to give away – including a Smiggle fairy backpack, mermaid blanket, and roller skates! For your chance to win, visit po.st/CindersComp

Cinderella through history

Cinders and Sparks: Magic at Midnight is a retelling of the classic story Cinderella. But did you know there have been thousands of different versions of this tale throughout history?



versions of the story
was a French tale called
Cendrillon, published in
1697. This was the first
version of the story to
include a pumpkin that

In Aschenputtel,
written by popular
folk storytellers the
Brothers Grimm in
1812, the stepsisters
cut off their toes to fit
their feet into the glass
slipper. Ouch, now
that does sound grim!



Available from all good bookshops!









STUFF GAMES, LAUGHS, AND LOTS TO DO!

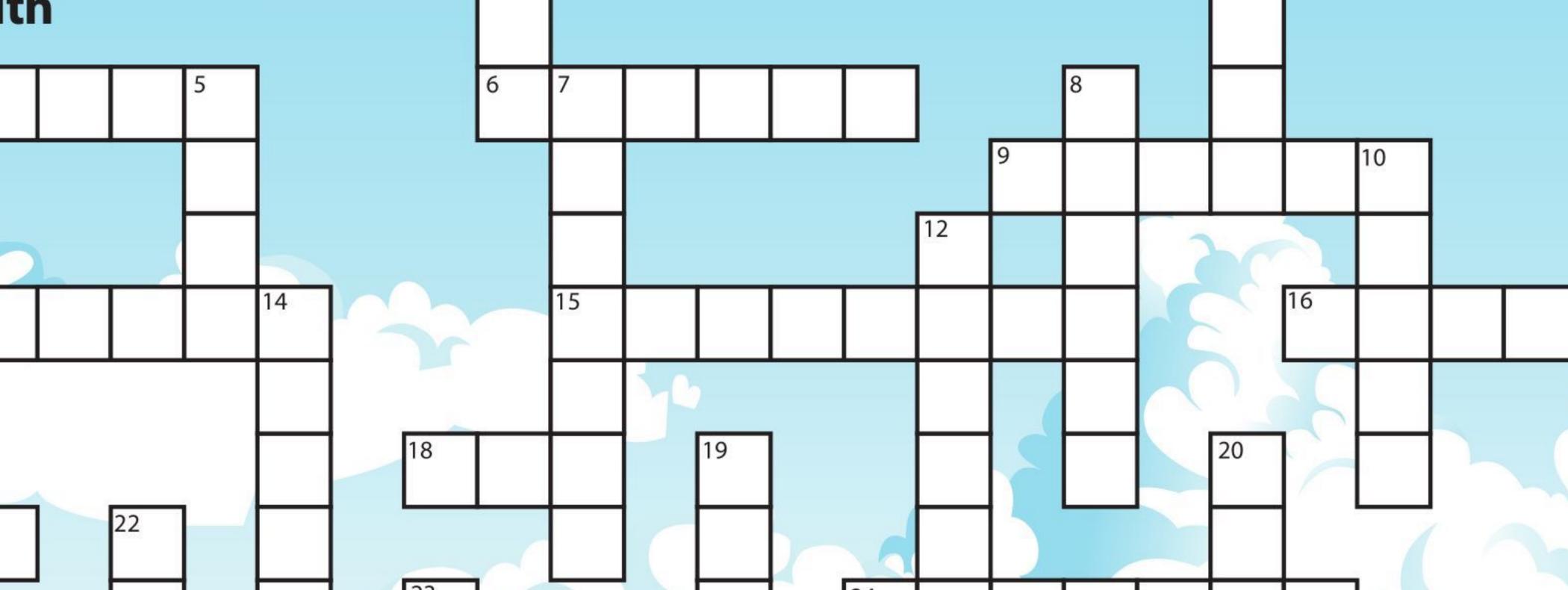
8-PAGE PUZZLE PULL-OUT!

SUAMER SPECIAL

SUMMERTIME CROSSWORD

Test your knowledge of the holiday season with this tricky puzzle!

Answers on page 56.





ACROSS

- 1 Go sailing on one of these (4)
- 2 Month in the middle of the year (4)
- 4 It moves sideways along the beach (4)
- 6 Mussels and oysters have these (6)
- 9 Fill this with sand at the beach (6)
- 13 Eyewear to stop water getting in (7)
- 15 Summer treat that comes in a cone (3, 5)
- 16 Something you do in water (4)
- 18 Body of salt water, smaller than an ocean (3)
- 21 Lunch in the park (6)
- 24 Sleeping in a tent (7)

- 25 Put this in your drink to make it cool (3)
- 26 Make these at the beach with a bucket and spade (11)
- 27 Cook outside on a grill (8)
- 28 Surfers catch these (5)
- 29 Opposite of cold (3)

DOWN

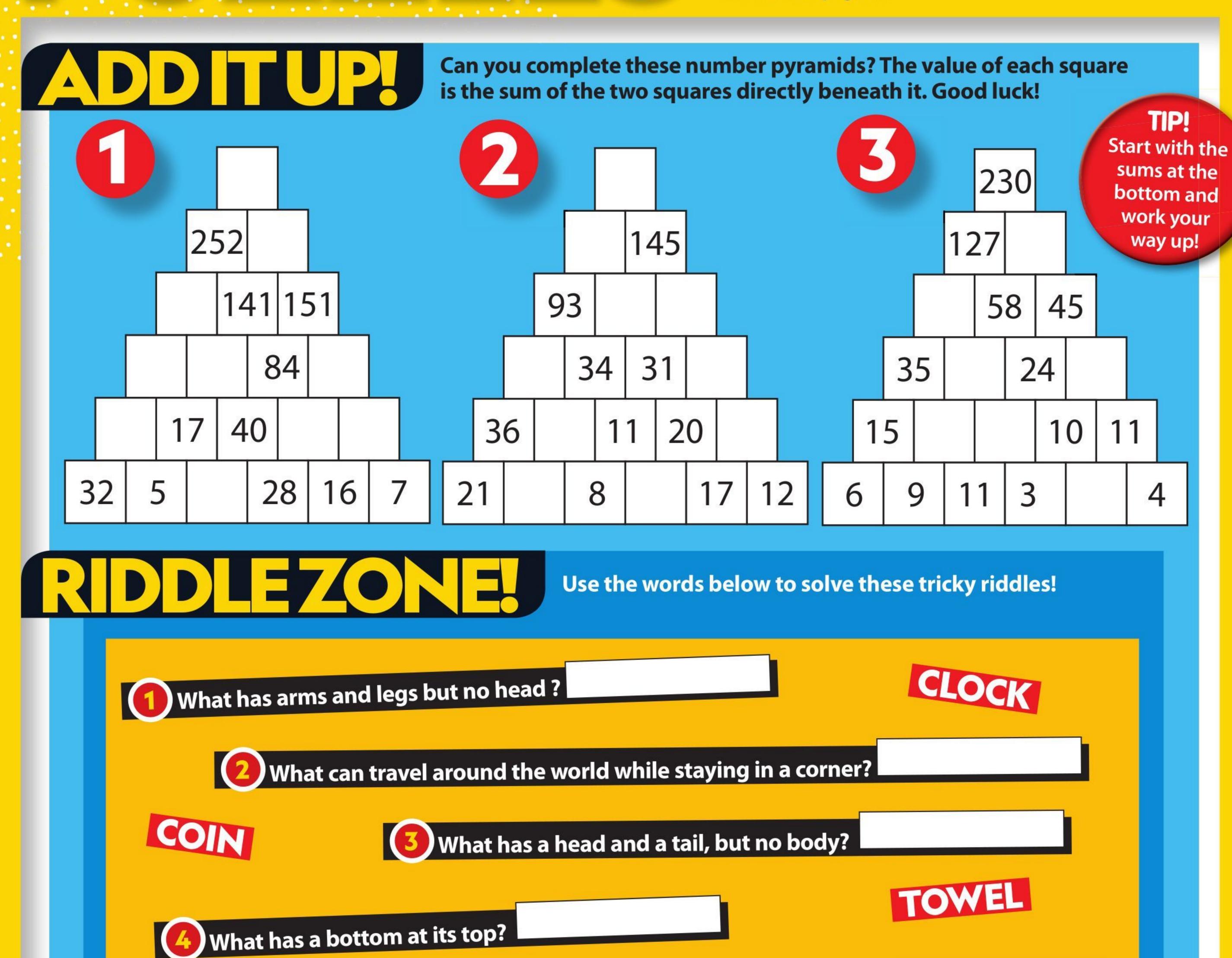
- You see these buzzing about (4)
- Creatures hide in these when the tide goes out. ____ POOL (4)
- 5 The colour of summery skies (4)

- 7 Time off school (7)
- 8 Season before autumn (6)
- 10 Use this to get dry at the beach (5)
- 11 A person visiting a place on holiday (7)
- 12 Summery drink made from sour yellow fruit (8)
- 14 Cool eye protectors (10)
- 17 Toy flown at the end of a string on windy days (4)
- 19 What some people wear to go in the sea (8)
- 20 Footwear for warm weather (7)
- 22 Smell these in gardens (7)
- 23 The Earth circles this star (3)

PUZZZES

COOL CONUNDRUMS

Get your thinking caps on, gang! Answers on page 56.



JOKE JUAABLE!

STAMP

LEG

What gets wetter the more it dries?

Can you match these jokes to their punchlines?!

What has hands but can't clap?

CHAIR

Why did the banana go to the doctors?	Shampoodles!
Which dogs love to take baths?	A goldfish!
What colour is a belch?	lt wasn't peeling well!
What's the most expensive pet?	Burple!

XIREME

GET READY TO BE AMAZED!

Optical illusions use colours, patterns, shadows and other things to trick your brain into seeing something that's not there. Find out how and why below!

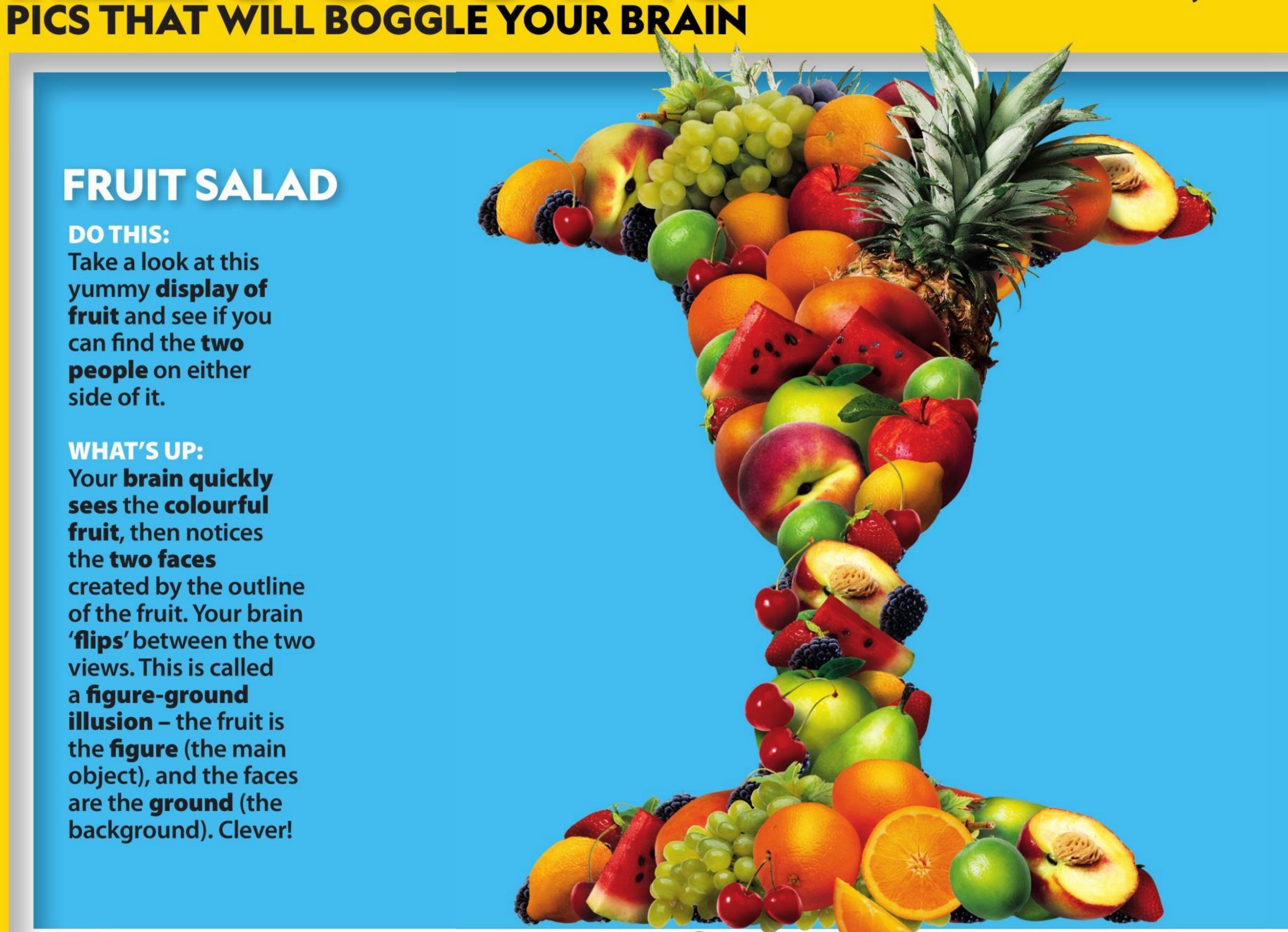
FRUIT SALAD

DO THIS:

Take a look at this yummy display of fruit and see if you can find the two people on either side of it.

WHAT'S UP:

Your brain quickly sees the colourful fruit, then notices the two faces created by the outline of the fruit. Your brain 'flips' between the two views. This is called a figure-ground illusion - the fruit is the figure (the main object), and the faces are the ground (the background). Clever!



PUZZLE

DOTHIS:

Shift your eyes around this grid and watch as the dots change from grey to white and to grey again.

WHAT'S UP:

Looking at one dot shows that it's white. But when you look slightly to the side, your brain saves time and effort by guessing that the grey lines continue through the dot. So the dot looks grey too, even though it's actually white. Whoa!

CHECK OUT THE BOOK!



WONDERFUL WORDS

Get grappling with these great word games...

Answers on page 56

SUNNYFUN

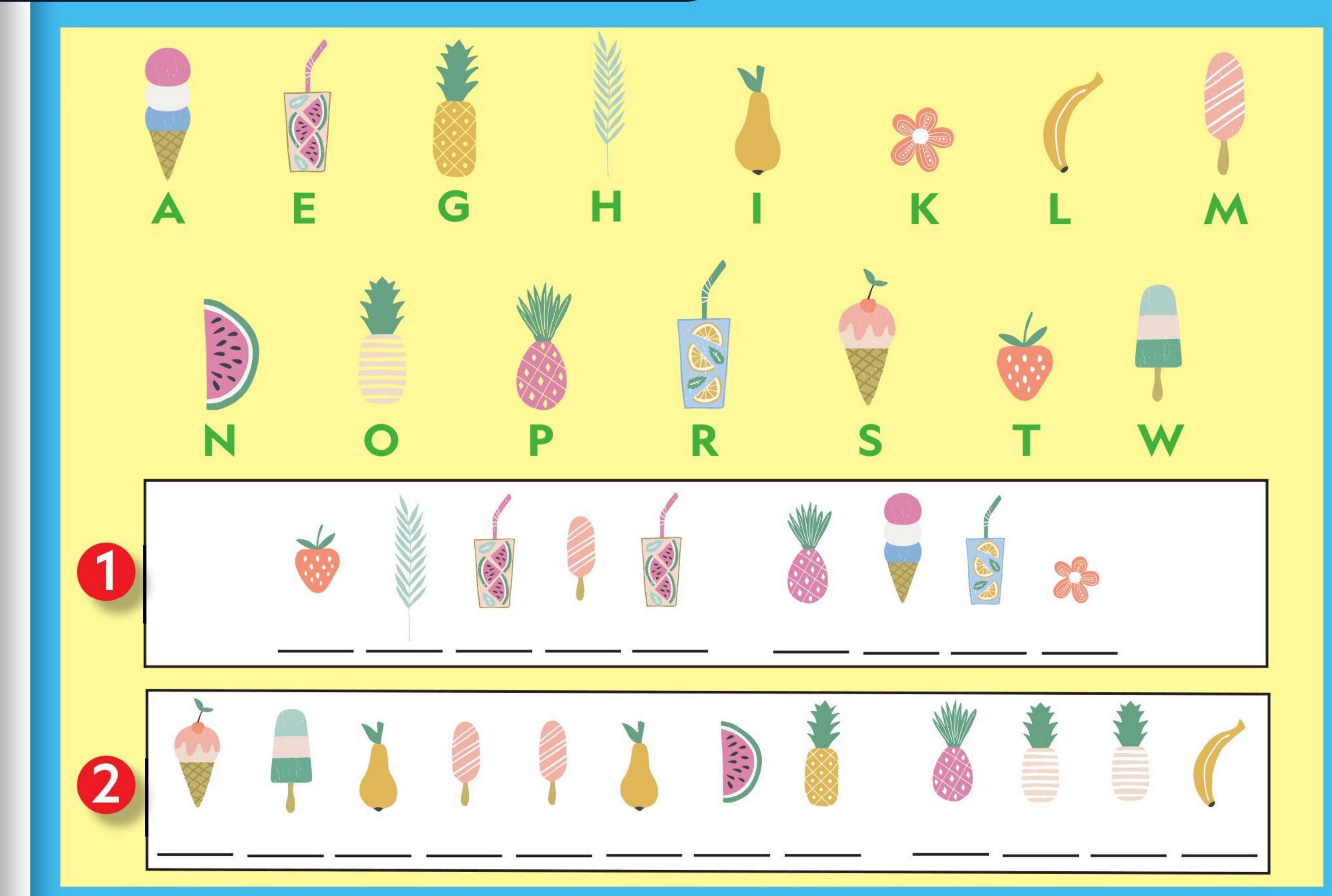
Cross out the green, red and purple letters – the ones remaining will reveal something fun to do in the sunshine!

GAWAH GECWTTPDD ENRABERDLFFTGHT

The word is _____

CODE CRACKING!

Crack this code to reveal two fun places to visit in the summer!



WHICH WORDS?

Which of the words below CAN'T be made from the letters in **SUMMERTIME?**









MISTER



TREES

RUINS

The words that can't be made are _____

SEARCH & FIND

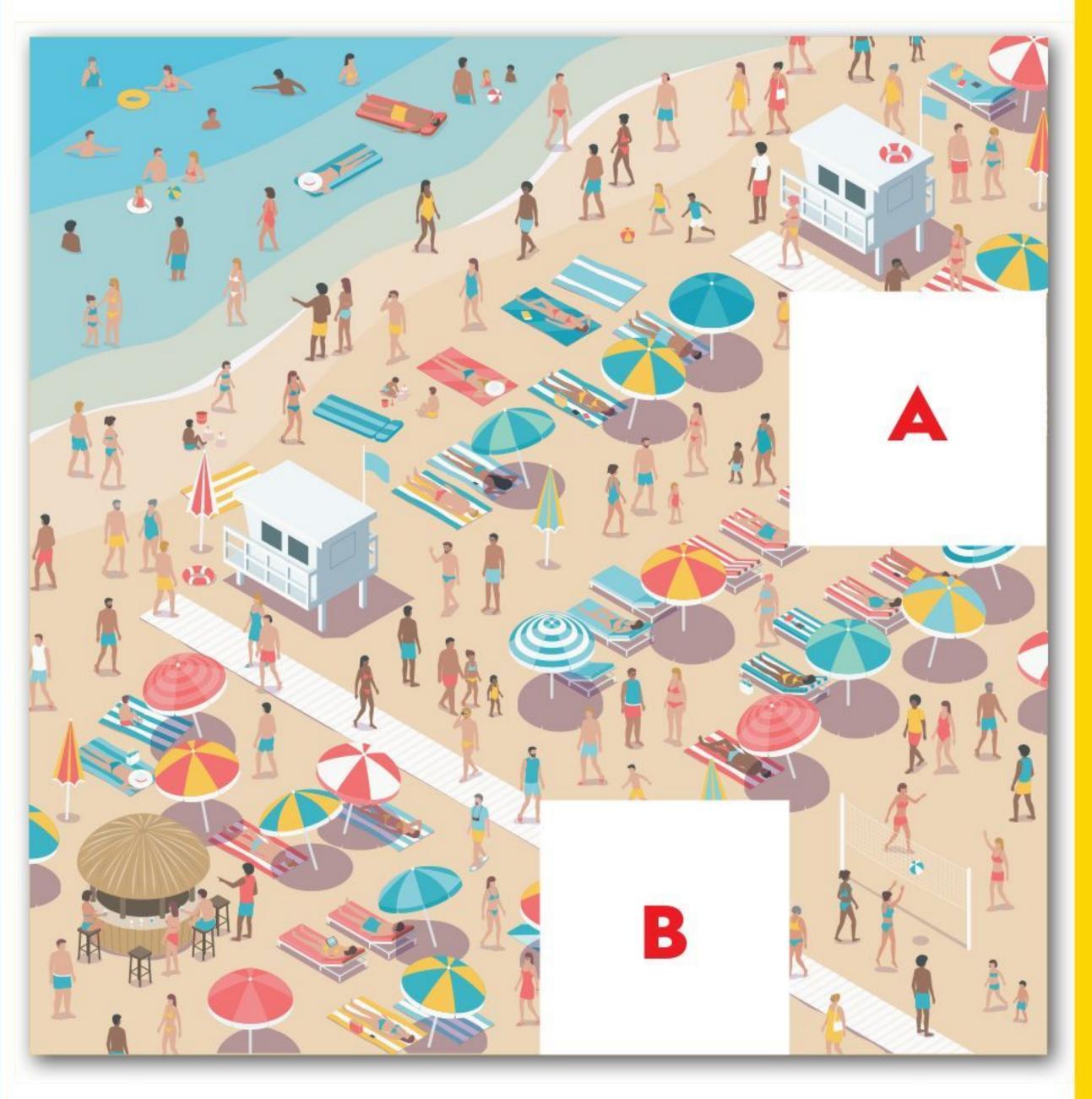
BEAGHGUEST

Can you find the things listed below in this





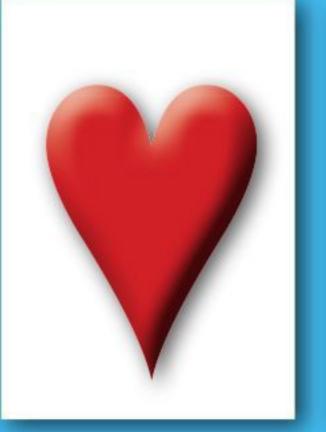
Can you find the missing pieces in this picture?







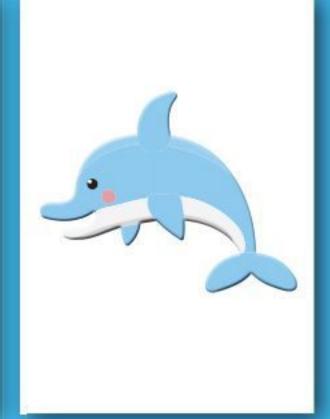
Take the first letter of each object to reveal something everyone loves about summer...



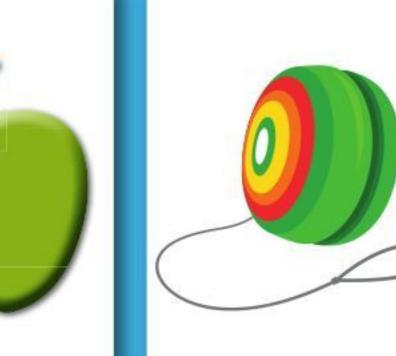






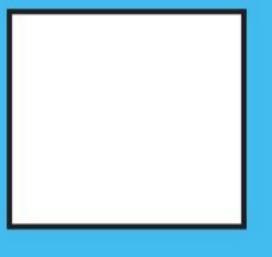










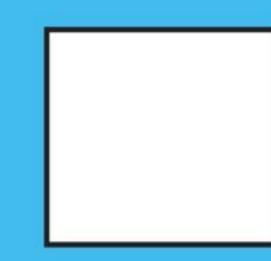














STELL STATES YOUR PARENTS

If your parents can't answer these questions, maybe they should go to school instead of you!

Answers on page 56

Niagara Falls is made up of three waterfalls: the American Falls, Horseshoe Falls and _____ Falls.

A. Wedding Gown C. Pocket Watch

B. Bridal Veil **D.** Running Shoe

The ancient Greek god Zeus is most often shown with what in his hand?

A. Spear C. Shield

B. Fireball **D.** Thunderbolt

The Aztec people, who lived in Central Mexico during the 15th and 16th centuries, used popcorn as food and

A. Jewellery

B. Ammunition

C. Building material

D. Sports equipment

Big Ben, the bell in London's famous Elizabeth Tower, has rung through the reigns of how many British monarchs?

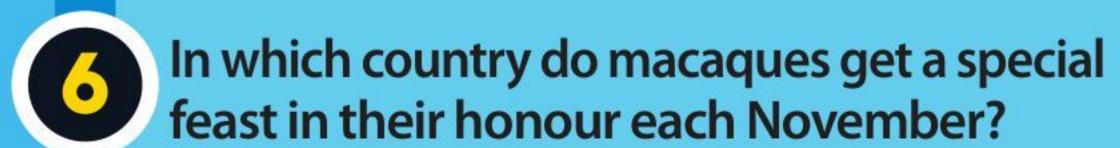
A. One C. Five

B. Three **D.** Six

What colour carnation is the national flower of Spain?

A. White C. Pink

B. Red **D.** Blue



A. Chile

C. Japan

B. Thailand

D. Iceland



A. Atlantic

C. Arctic

B. Pacific

D. All of them

In which country are over 800 indigenous languages spoken, more than in any other country?

A. Papua New Guinea C. Sudan

B. Norway

D. China

Which of these snakes would you NOT find slithering wild around Britain?

A. Adder

C. Rattlesnake

B. Grass snake

D. Smooth snake

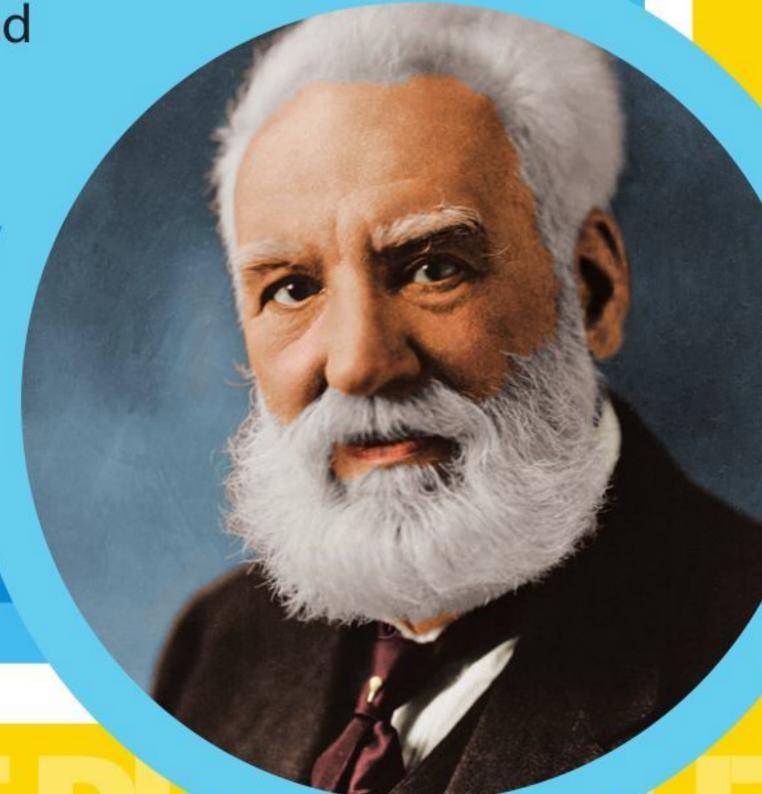
Alexander Graham Bell, inventor of the telephone, was born in which capital city in March 1847?

A. Washington D.C., USA

B. Edinburgh, Scotland

C. Paris, France

D. London, England







GO FISH
Ask a friend to give you words to fill in the blanks in this story without showing it to them. Then read out loud for a laugh.

GRAMMAR TERMS!

Noun – a person, place or thing Verb – an action word that describes what a person or thing does

Adjective – a word that describes a noun

Adverb – a word that describes a verb



adjective ending in -est	large number
kilogramme! I couldn't wait for him to teach me how to a boat. W	e packed the tackle
box full of and rowed our boat into the middle of thetype of material	pe of fish
Things were going until I noticed the boat was filling up with liquid	Thinking quickly, I
used a(n) to scoop out the water while Gramps tried to plug the hole with histy	pe of clothing . But
the boat was sinking as fast as a(n) " "!" I yelled, and leapt heavy object expression of panic	overboard. I started
to shore as fast as I could. Just then I heard Gramps laughing. That's when I realised the water only verb ending in -ing	
came up as high as my Feeling, I, I back to body part adjective past-tense verb	the boat. We stayed
and fished in our half-sunk boat for hours. By the end of the day we had caughtnumber	fish! Then we
walked back to shore, boat behind us. verb ending in -ing adjective	



What you'll need

- 8 sheets of equalsized tissue paper (Bigger tissue paper will make bigger pom-poms.)
- 1 craft pipe cleaner
- Scissors
- String (optional)



Stack eight sheets of tissue paper together. (You can use the same colour or mix it up.)



Fold the tissue paper back and forth in 2.5-cm sections in an accordion fold. Press each fold firmly.



Wrap the pipe cleaner around the centre of the folded tissue-paper stack, then twist the pipe cleaner to secure it.



Trim the pipe cleaner with scissors, then wrap the end of the pipe cleaner around itself so the wire doesn't poke out.



Cut both ends of the tissue-paper stack into rounded, pointed or frilly shapes.



Flip the tissue-paper stack on its side.



Separate each layer of tissue paper one at a time.



Pull the layers up and towards the centre.

To hang your pom-pom, tie a piece of string around the centre of the pipe cleaner.



TOP TIP!

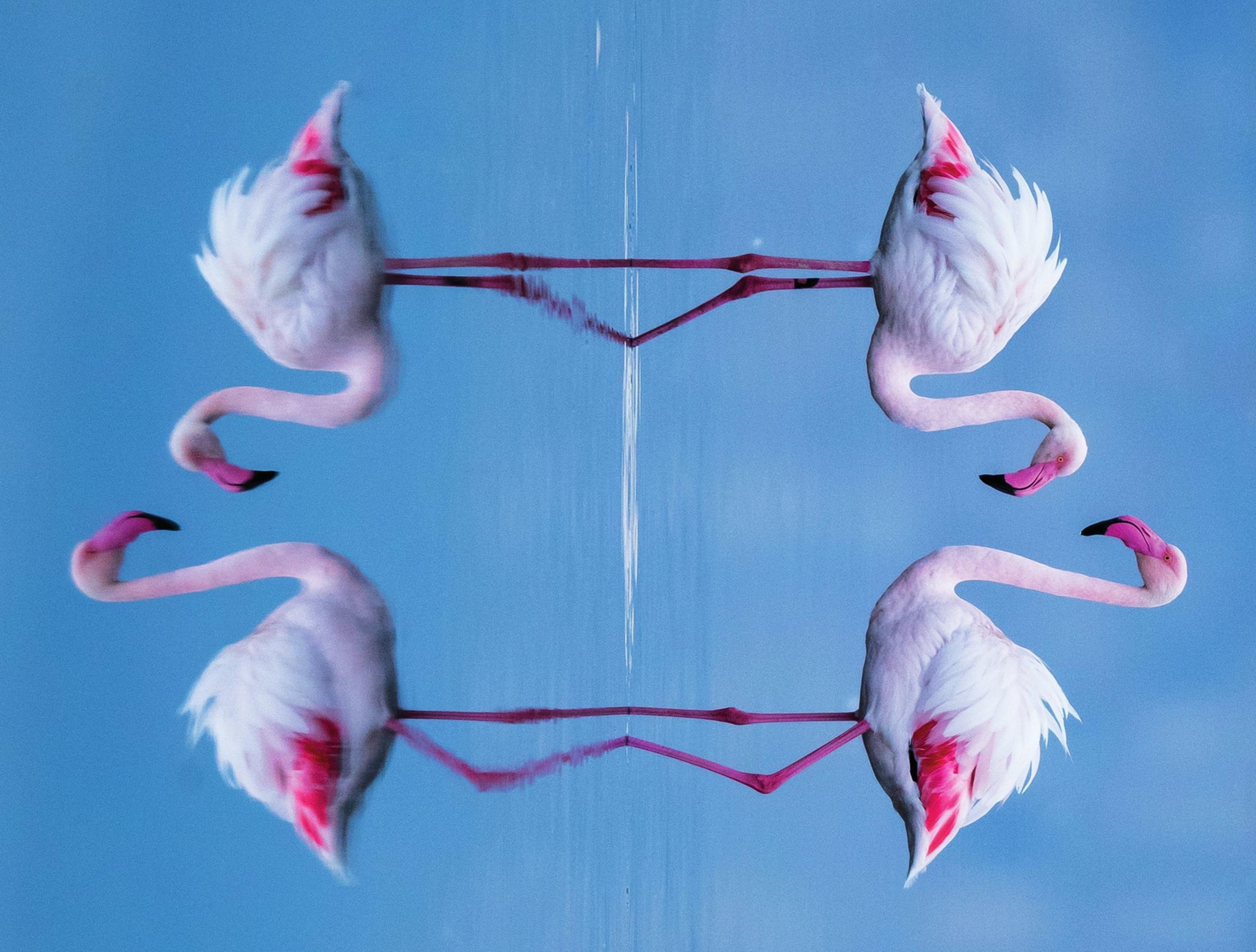
Next time you have a party, use these colourful pom-poms instead of balloons for a plastic-free celebration!

SPECIAL SUMMER FUN STUFF PULL-OUT









NATIONAL GEOGRAPHIC

EXPERIENCE HUMANKIND'S FIRST STEPS ON THE MOON!

Celebrating the

50th

Anniversary of the
Moon Landing

AND BACK

NATIONAL GEOGRAPHIC

Join famous astronaut Buzz Aldrin and the Apollo 11 crew as they embark on their landmark mission *To The Moon And Back!* Open the pages and see the Saturn V rocket as it lifts off the launchpad, marvel at Buzz Aldrin's first-hand account, and experience the thrill of the Eagle landing on the lunar surface! Through vivid photos and elaborate paper-engineering, you'll learn all about the ground-breaking Apollo 11 mission. Plus, build your very own Apollo 11 Lunar Module!



OTHE

RETURN TO ERRTH

BUZZ ALDRIN



are flying in front of you, you would a But with spacecraft in orbit, that does

Instead, you have to slow down

DR. RENDEZVOUS

et to the moon, we would

while a lunar module went down to the moon's surface. After landing on the moon, the lunar module would need to launch back up to space and meet up with the ship in orbit. The NASA term for a meet-

p is "rendezvous" (RON-day-vool)

Luckily, it is just what I'd studied for my Ph.D.F.It was port of why NASA picked me as an astronaut. Soon, the other astronauts

ted me "Dr. Rendezvous,"

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WHATIS AVAXHOME?

the biggest Internet portal, providing you various content: brand new books, trending movies, fresh magazines, hot games, recent software, latest music releases.

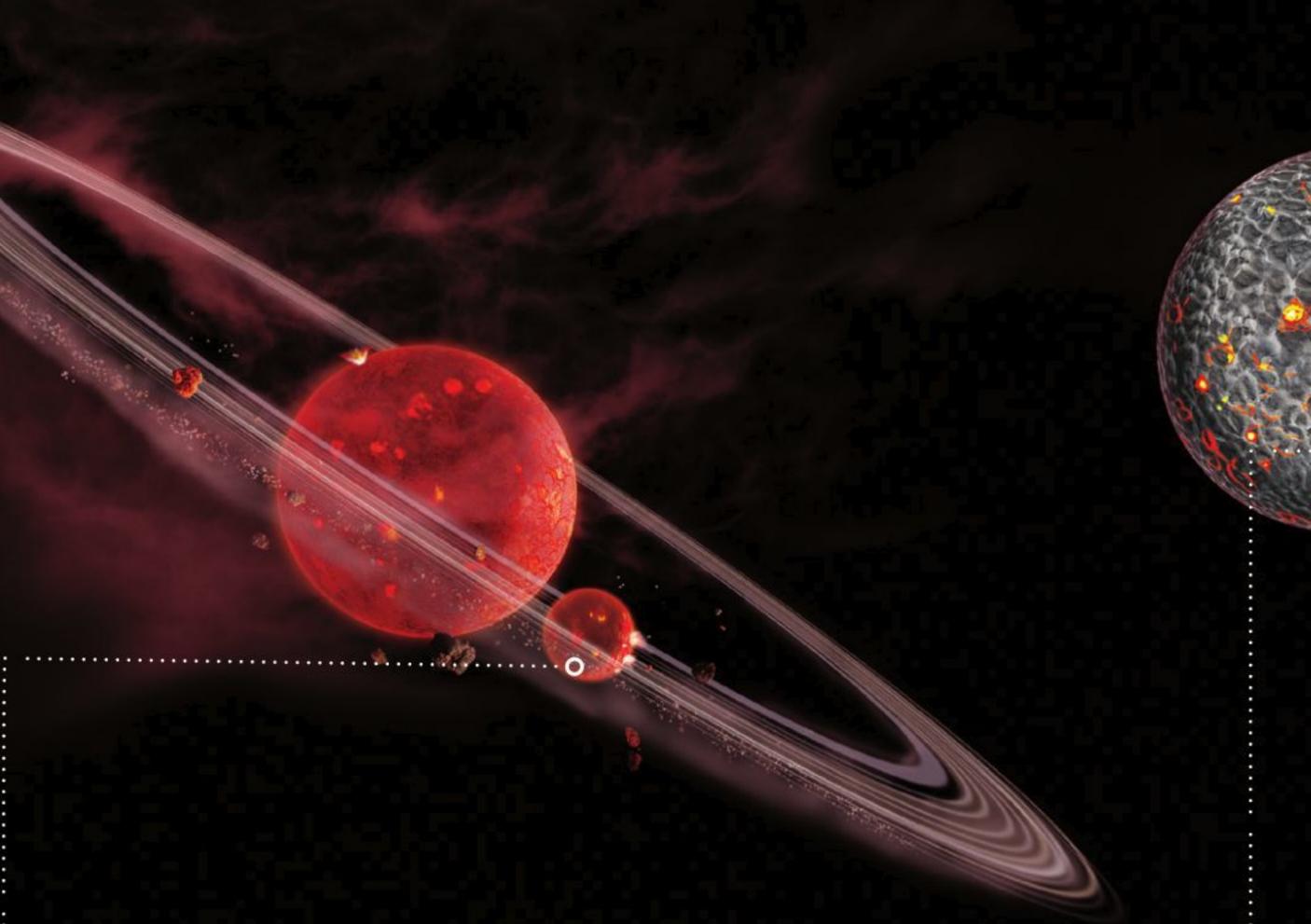
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Cheap constant access to piping hot media
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EVOLUTION OF THE MOON TIMELINE

ABOUT 4.5 BILLION YEARS AGO

A giant collection of tiny rocks floating in space is captured by Earth's newly expanded gravitational field (the force that causes objects to fall towards its centre). These rocks form into a ring structure that looks a lot like Saturn's rings. It's thought that a Mars-sized object then smashes into Earth, sending more debris hurtling into space. This collects into a spinning hot, liquid blob – our early Moon.

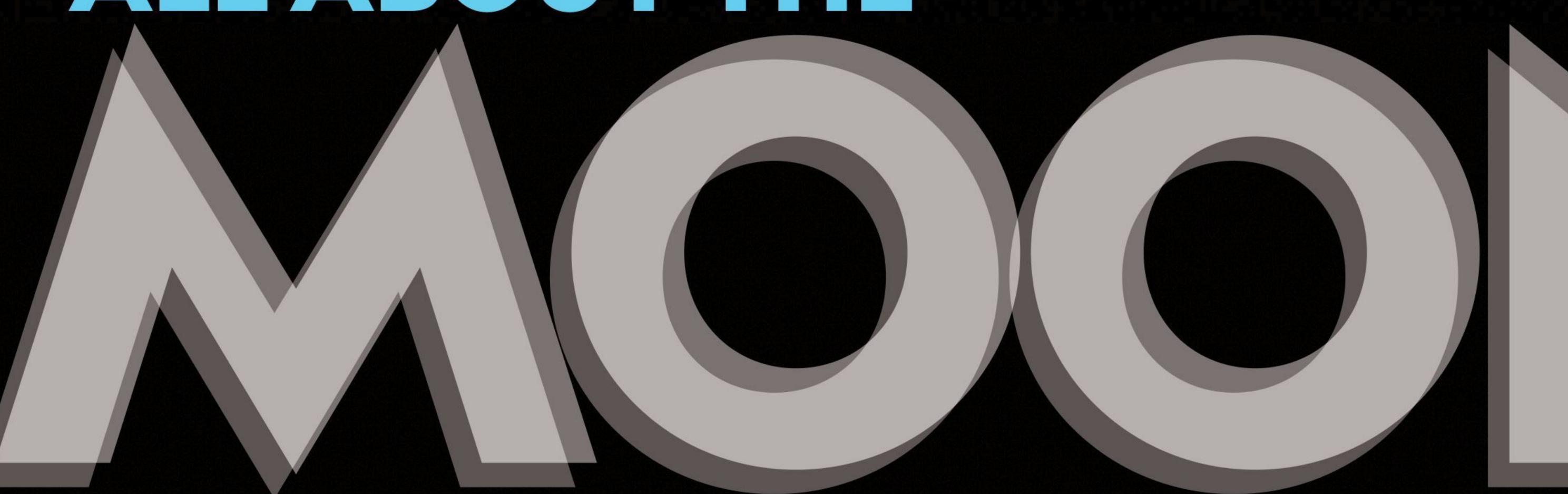
SOME 4.4 BILLION YEARS AGO

When this spinning blob slows down, it starts to **cool**, and its surface transforms into a **solid crust**. The Moon begins to take a slight **lemon-like shape**, with **bulges** pointing towards and away from Earth. (From Earth, the Moon deceptively looks like a perfectly round ball, like the one above, because of the angle we view it from.)

ROUGHLY 3.9 BILLION YEARS AGO

A massive asteroid about 200km in diameter slams into the far side of the Moon, creating the Aitken Basin on the Moon's South Pole. Some 2,570km in diameter and approximately 13km deep, it's one of the largest known impact craters in the entire solar system.

ALLABOUTTHE

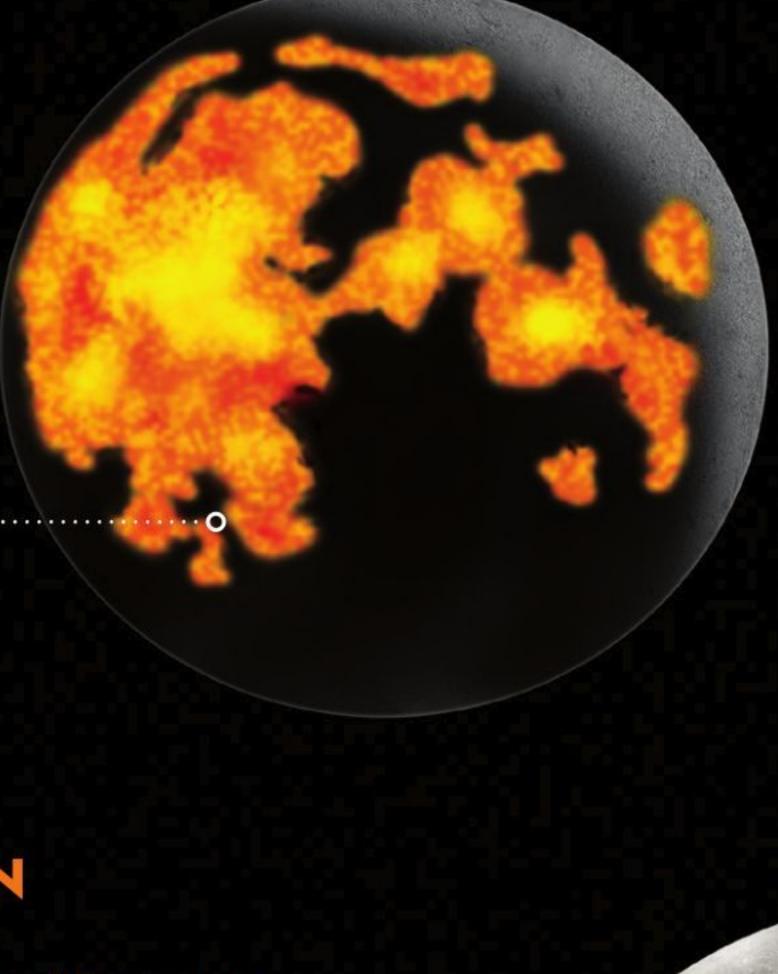


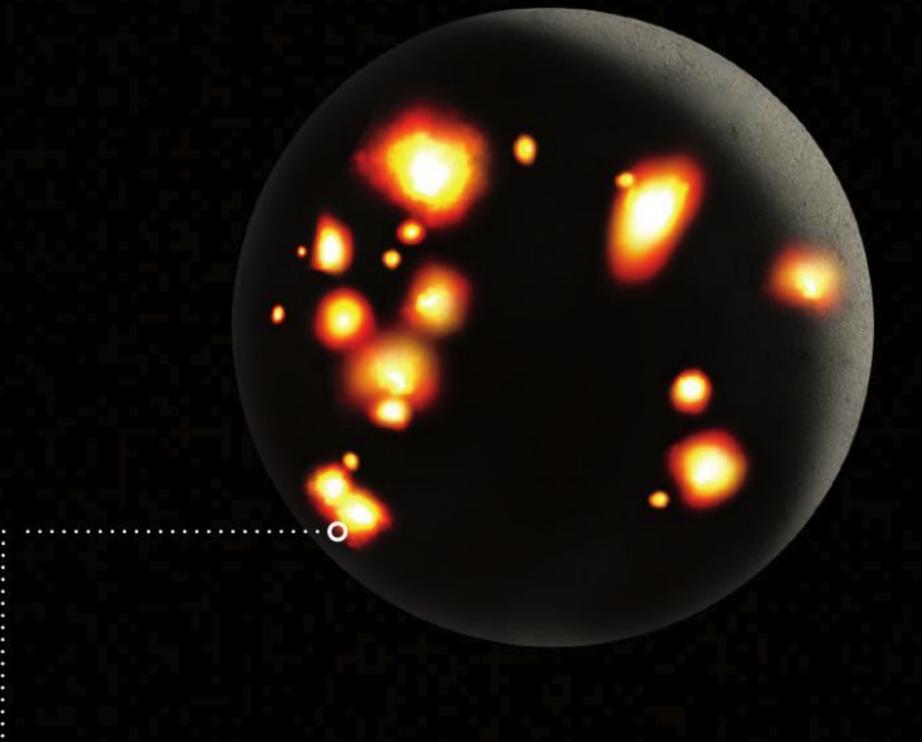
THINGS YOU NEVER KNEW ABOUT OUR MYSTERIOUS NEIGHBOUR IN THE SKY...

The Moon is Earth's closest celestial neighbour, covered with huge craters, rugged mountains and flat, grey plains formed from lava that flowed across its surface billions of years ago. But it wasn't until 50 years ago, on 21 July 1969 [GMT] that people finally walked on its surface – when astronaut Neil Armstrong became the first human to step on lunar soil. Now, scientists are anxious to go back. But why return when there are still so many unexplored spots to visit in our solar system? Faced with threats such as overpopulation and the climate crisis on Earth, our easy-to-reach neighbour could help people

research how to survive in the faraway future. Many experts believe that the Moon is our next step in **learning how to live in space**. Missions to the Moon might even be possible in the next **decade**.

But before YOU pack your bags and sign up to go there yourself, check out the next four pages to learn more about what some scientists call 'Earth's sidekick.' Discover when the Moon was formed, how it compares to Earth, and find out what living on a *moonless* planet would be like. Ready for lift-off? Then read on!





ABOUT 3.8 BILLION YEARS AGO

Something – perhaps the movements of the outer planets – causes rocky debris to fly towards the Sun. These asteroids also pound the surface of the Moon.

ONE BILLION YEARS AGO

The large asteroids that are constantly hitting the Moon temporarily end. But the violent activity isn't over. The Moon's near side – the side facing Earth – breaks out into volcanic activity, sending out vast oceans of molten lava.



RECENT HISTORY

Early astronomers, philosophers and scientists, including **Leonardo da Vinci**, mistake solidified **lava beds** on the Moon's surface as **seas** because they look **blue** when viewed from Earth. They're later named **maria** – the Latin name for '**seas**.'

But while we now know that water doesn't flow on the Moon's surface, scientists *have* discovered water molecules in the Moon's polar regions!



LESS THAN A BILLION YEARS AGO

New asteroids smash into the Moon's surface, forming many of the small and mediumsized craters we see today. These younger craters have star-like patterns radiating from their centres. They're created when huge impacts cause light-coloured rock lying under the Moon's surface to blast out, then gently settle back down onto the surface.

EARTH VS. MOON . Crust Upper mantle The Moon and Earth . Lower mantle were forged out of the same materials -Outer core but the similarities end there. Check out how these two Inner core very different rocks stack up. **EARTH FACT SHEET** Length of day: Outer core 24 hours **Rock mantle** Diameter: MOON FACT SHEET 12,756 km Length of lunar day: Highest surface temperature: 27.3 Earth days 56.7°C Diameter: Lowest temperature: From Earth, 3,476 km Minus 97.8°C we always see the same side of the Moon. Surface temperature (day): That's because it's in 133.8°C 'synchronous rotation' Surface temperature (night): with us. Minus 153.8°C

The Moon isn't round!
It has a bulge on either side, giving it a slight lemon shape.

The word 'lunar' comes from 'luna', which is Latin for moon.

LIFE WITHOUT THE MOON

Without our Moon, life on Earth would be totally different. Days would be shorter, for instance. Without the Moon and its gravitational pull slowing down the rotation of the Earth, our day might only last six to eight hours instead of 24!

And forget about autumn leaves – the seasons wouldn't exist. Without the Moon's pull on it, Earth might wobble on its axis like a dangerously spinning top, creating 200-kmph winds and massive hurricanes one day, with relatively calm weather and totally different temperatures the next. Plus, it would be almost pitchblack every night of the year.

Oh, and humans might not even exist. That's because without the Moon, most creatures would call the ocean home. Less than half a billion years ago, all life on Earth was living in the seas. Bizarre and colourful creatures swam freely through the water or scurried around the ocean

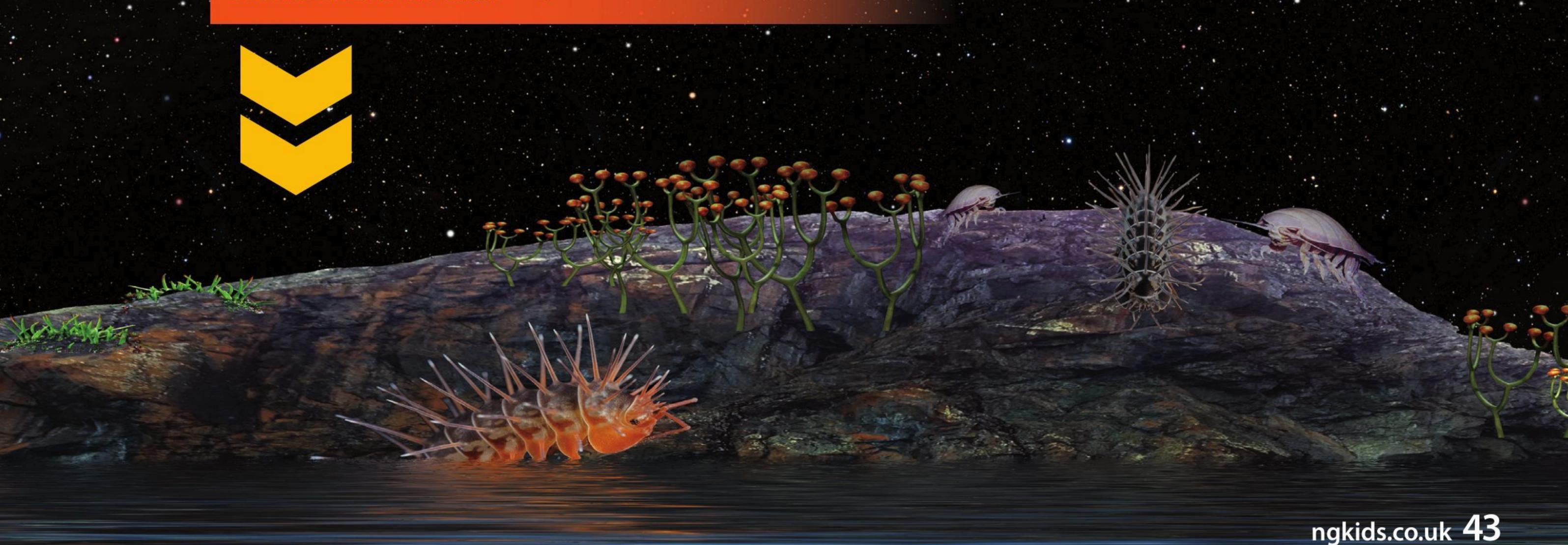
bed. Mounds of hardened black lava poked above the waves. There were no trees – only a few species of hardy green plants had made the transition onto land.

So how did the Moon help more species adapt to life on land? The gravitational pull of the Moon creates high and low tides in the ocean. During low tide, water recedes back into the ocean, exposing tide pools shallow pools of salt water on beaches and nearby rocks – to the air. Millions of years ago, the resilient life-forms that lived in tide pools evolved new adaptations that helped them survive dry spells.

Eventually they left the oceans to live on land. These early land explorers evolved into amphibians, dinosaurs, birds, insects, snakes and mammals. (Hi, humans!) But without the Moon, low tide wouldn't exist, and these creatures might have stayed underwater forever. Yikes!

The interior of both the Earth and the Moon are hot. Magma (hot, liquid rock) from Earth's mantle still erupts onto its surface. But it doesn't do that on the Moon.

The Moon is about one-quarter of the size of Earth. It's a natural satellite that orbits our planet.



GREATEST

ALLABOUT

Fifty years ago, humans walked on the surface of the Moon! Let's meet the man who took the very first lunar steps

man who took the very first lunar steps...

1930 - 1946

Neil Armstrong was born on 5 August, 1930, in Ohio, USA. When he was **six**, his father took him on his first plane ride, sparking a lifelong love of flight. After taking **flying** lessons, Neil got his **pilot licence** aged just 16!

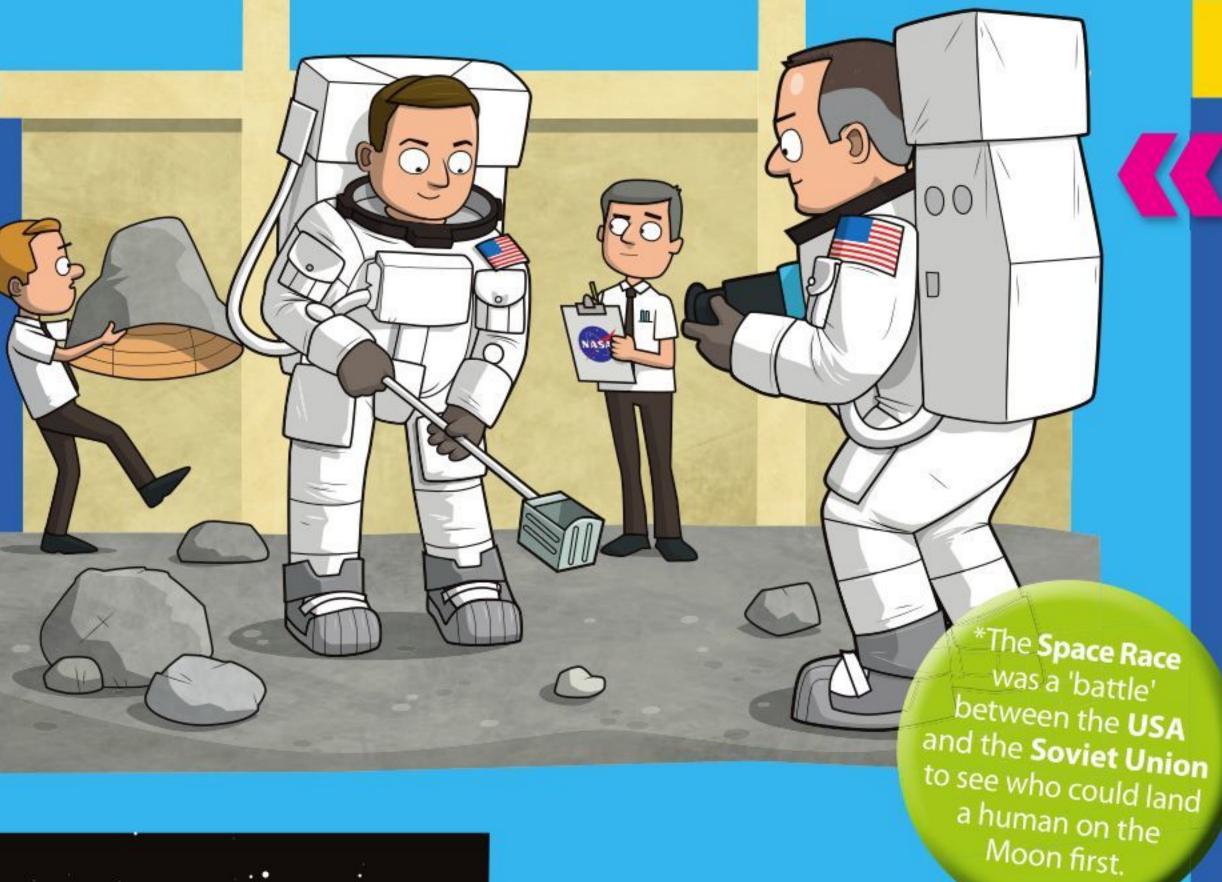
1947 - 1953

Plane-mad Neil won a scholarship from the **US** Navy to study aeronautical engineering at university, where he learned everything there was to know about aeroplanes. He also trained as a Navy pilot, and in 1951 served in the Korean War, where he escaped from a shot-down plane! He was awarded three air medals during his military service.



1962 - 1969

Neil was selected for NASA's **space** programme and in 1966 he made his first journey into orbit on board Gemini 8. He was then named the commander of **Apollo 11** – the first mission to land a human on the **surface of the Moon**. During training, Neil and his fellow crew members **Buzz Aldrin** and **Michael Collins** practised every part of their mission on a fake moon surface!



1953 - 1962

After the war, Neil's fab flying skills earned him a job at the US Government's National **Advisory Committee for** Aeronautics (NACA), which later became **NASA**. There, he worked as an **engineer** and a **test pilot**, flying more than 200 high-speed aircraft! At that time, the **USA** and the **Soviet Union** were involved in a 'war of words' called the **Cold War** a central part of this was the so-called **Space Race**.*



The **Apollo 11 crew** blasted off from Florida's Cape Canaveral on 16 July. At **02:56 GMT on 21 July**, Neil stepped on to the Moon's surface for the

first time, saying the now-

famous words – "**That's one**

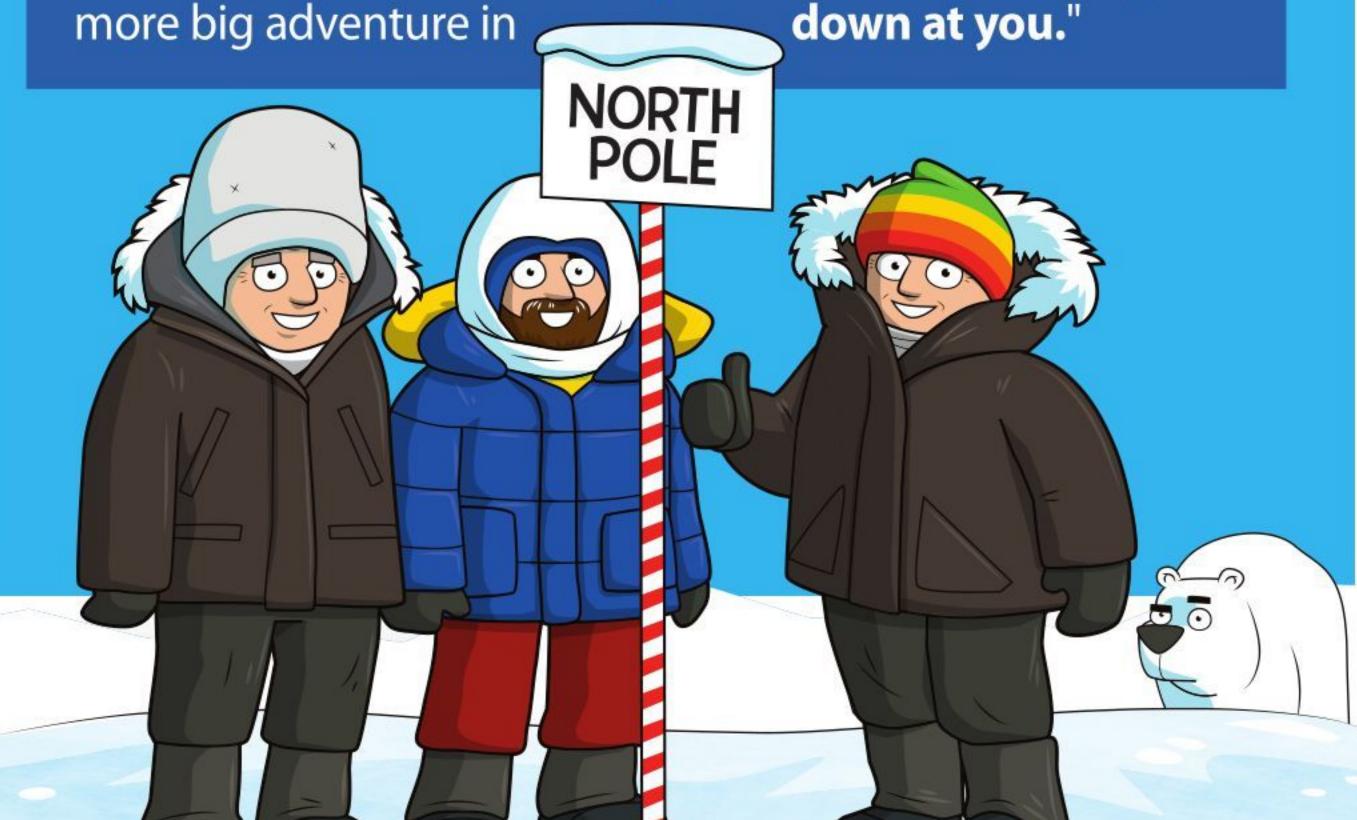
- small step for a man, one giant leap for mankind."
- He was soon followed by
- Buzz. The pair took photos,
- collected samples, planted an
- American flag and marvelled
- at the sight of the distant

Earth floating in space!

1969 - 2012

After the mission (which was watched on TV by 600 million people worldwide!), the crew returned as **heroes**. But Neil shied away from fame and spent the rest of his life working in jobs like **teaching**. However, he did have one more big adventure in

 1985 when he travelled with some of the world's most famous **explorers** to the **North Pole**! Neil passed away in 2012, and in a statement his **family** asked the public to think of him "whenever you see the Moon smiling



strations © Marek Jagucki

The Usborne Book of the

the Usborne Book of the MOON

Welcome to the story of our moon - a tale of moon dust and moon rabbits, cheese and astronauts, deep thoughts and bold plans...

of the first Moon landing with this awesome new book from Usborne!

Packed with brilliant illustrations: and fantastic facts about Earth's super satellite, it tells the tale of

elebrate the 50th anniversary • the Moon and the secrets that surround it. Discover ancient legends about its creation, meet the very first astronomers and learn all about the famous Space Race. Get ready to let your imagination reach for the stars!



Test yourself with this super space quiz...



True or False?

3 What did German-Dutch

invent in 1608 to help

glasses maker Hans Lippershey

astronomers study the Moon?

If you could drive a car to the Moon, it would take almost five months – driving at top speed - to get there!

2 According to a Finnish legend, the Moon, Sun and stars originated from what?

- a) Bacon
- b) Eggs
- c) Cheese
 - 4 What was the first animal in space?
 - a) Cat
 - b) Dog c) Fruit fly
- B Russian cosmonaut Gherman Titov was the first person to suffer what in space?

a) Camera b) Tripod

a) Space sickness

c) Telescope

- b) Nosebleed
- c) A broken toenail



on page

6 True or False? Apollo 11 was the first mission to land successfully on the Moon.

According to an ancient Chinese legend, a girl lives on the Moon with what companion? a) Rabbit b) Dog c) Hunk of cheese

The word 'astronaut' means 'star sailor.'

8 What was the name of the spacecraft that landed on the Moon in July 1969? a) Buzzard b) Eagle c) Turkey



Available from Waterstones Find out more at usborne.com/apollo50



A telescope and a copy of The Usborne Book of the Moon MOON

We're giving away a telescope and a copy of The Usborne Book of the Moon to one luck winner. Cool! Ten runners-up will each float away with a copy of The Usborne Book of the Moon.



To be in with a chance of winning, just answer this question: **Q** Who was the second man to walk on the Moon?

a) Neil Armstrong

b) Buzz Aldrin c) Michael Collins

Enter on page 55



Royal Botanic Gardens

Grab your goggles, slip on a lab coat and get set for some scientific fun at the Kew Science Festival...

SCIENCE ALERT!

scenes tours.

Looking forward to a sensational summer? Then you won't want to miss this year's **Kew Science Festival!** Packed with exciting activities, visitors can enjoy being a scientist for the day with epic interactive experiments, fascinating demonstrations, and special behind-the-

Find out how to be a honey detective, get up close to a giant fungus, and journey to the far reaches of the Earth with Google's 360-degree virtual reality goggles. Plus, meet Kew's top scientists and find out what they're doing to protect rare and threatened plants and fungi across the globe!





PRECIOUS PLANTS

This year's festival celebrates our planet's flora. Check out three of the amazing rare plants at Kew...

Old Man Live Forever (Pelargonium cotyledonis)

This plant gets its name from its slow growth and ability to survive tricky conditions!



(Sarracenia oreophila)

A carnivorous plant, this sneaky species traps insects in its tube-like leaves and eats them. Yum!

(Nesocodon mauritianus)

This rare species is named after its bell-shaped flowers and bright **red nectar**, which looks like drops of blood!



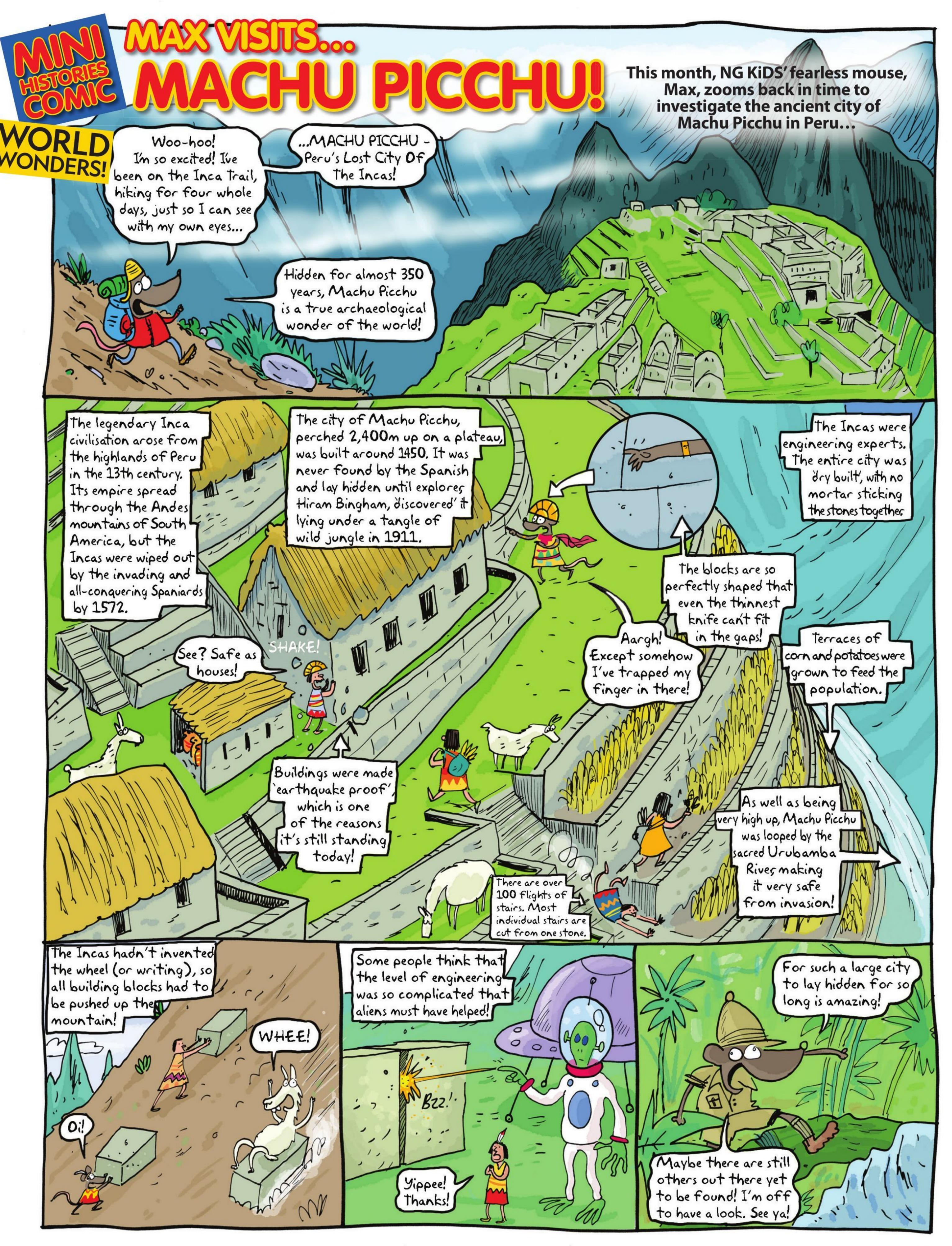
Green Pitcher Plant (Sarracenia oreonhila) A FAMILY TRIP TO KEW!

One lucky winner will scoop annual family membership to Kew Gardens, plus a one-night stay at the Hilton London Syon Park hotel. Brilliant!

For your chance to win, we want you to tell us why you think plants are so important. Write your entry in fewer than 200 words or draw a picture! Enter on page 55.

Ts&Cs: Hotel must be contacted two weeks prior to potential stay date for booking, only valid on Sundays, Mondays and Thursdays. Blackout dates apply. Subject to availability. Family membership gives two adults, plus one family guest each, and up to four children (aged 4 to 16), unlimited visits to Kew and Wakehurst for a year.





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N ew GeoSafari® Jr. **N** Kidnoculars Extreme are an awesome way to learn about the world around you. With 3x magnification and a powerful audio booster, these clever, focus-free binoculars will strap makes this cool piece help you see AND hear wildlife! : of kit easy to carry about!

The Kidnoculars Extreme, from Learning Resources,

eyepieces for easy viewing when you're out and about exploring nature – and the **built-in sound system** means you don't need to wear headphones. Plus, a handy

on page

What will YOU discover : with the GeoSafari Jr.

have squint-free, extra-large Kidnoculars Extreme? Nature noises! Can you match these animal sounds to the critters that make them? TRUMPET CHIRP Answer



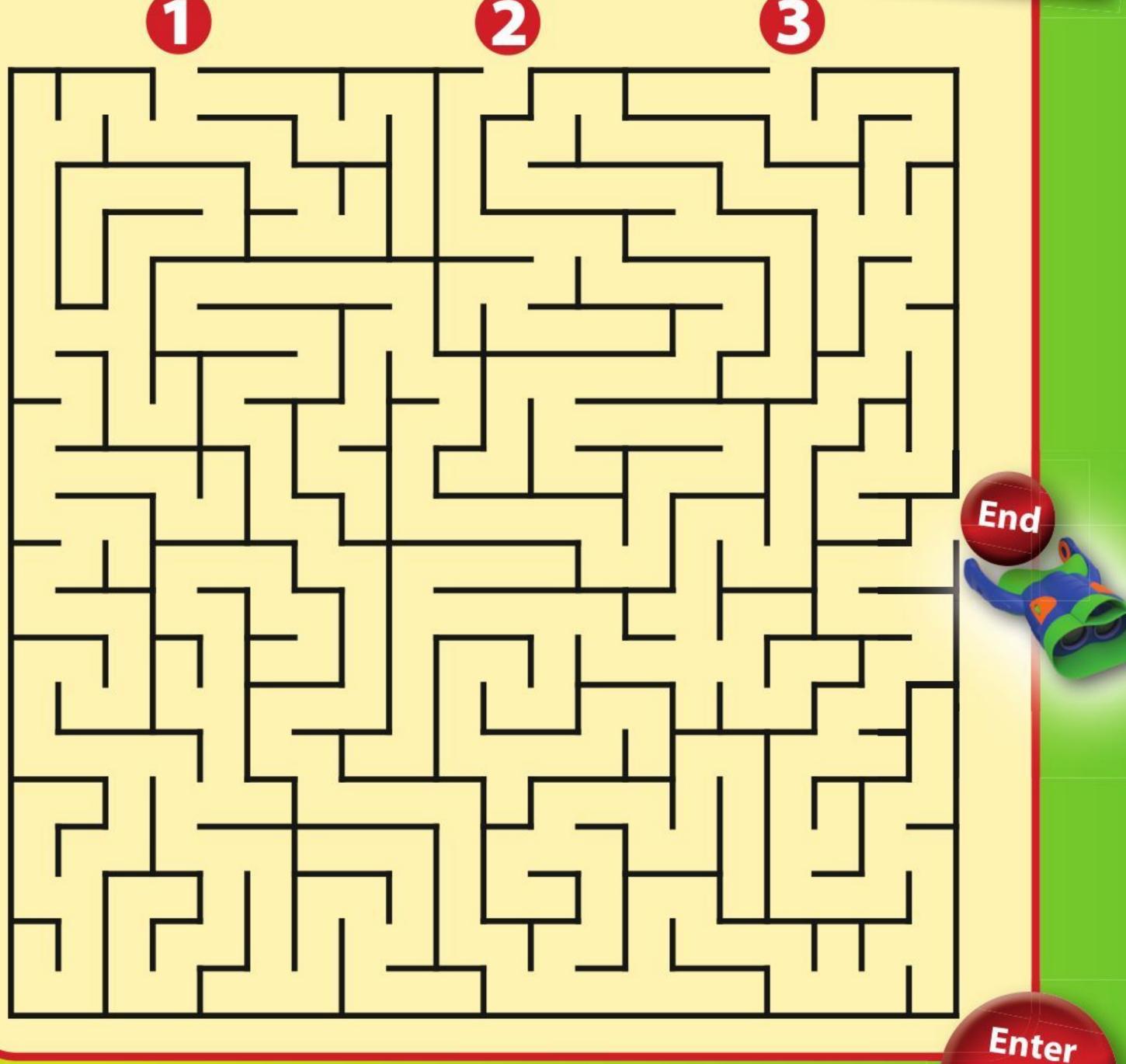
WINE Cool Kidnoculars Extreme!

Four lucky NG KiDS readers will each bag a pair of GeoSafari Jr. **Kidnoculars Extreme from Learning** Resources! For your chance to win, just tell us which path leads to the Kidnoculars at the end of this maze...



on page

55



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Adult name

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We will only use your child's personal information to administer their Pet Protectors membership.

PDSA is committed to protecting your personal information and will never exchange or sell your details to another organisation for their own marketing purposes. We would like to let you know about our work with sick and injured animals, including fundraising, volunteering, pet insurance, and animal welfare issues. To provide you with the best possible experience, we will also use your personal information to help us decide what you may like to hear about and to personalise our advertising, communications, and services. If you'd like to 'opt out' of our marketing and fundraising communications call our friendly supporter services team on **0800 0199 166** or write to us at 'Freepost PDSA' and tell us your contact preferences. For more information regarding our Privacy Policy please visit

OCSO SAVING PETS CHANGING LIVES

Enter on page 55 or online at natgeokids.com

ZIAPLIKIDS



Get a supreme soaking this summer with **Bunch O Balloons** from **ZURU!**

The sensational Self-Sealing Water Balloons set lets you fill and tie a whopping 100 water balloons in less than **60 seconds**. Plus, the plastic stems are recyclable and the balloons are biodegradable – hooray!

Use the Filler/Soaker to fill up your balloons anywhere. If you run out of inflatables, drench your target with a stream of water instead!

The lightweight Slingshot lets you launch your balloons

up to **30 metres**, while the powerful **Mega Catapult** shoots them even further – just grab two friends to hold the handles, pull back the pouch and unleash summer fun!

Ten readers will win a Bunch O Balloons three-pack of Self-Tying Water Balloons, a Filler/Soaker, Slingshot and Mega Catapult.

- Find out more by popping over to bunchoballoons.
- **Q** How much of our planet is covered by water? a) 7.1% b) 71% c) 100%

Get gooey with this epic bundle of mess from Zimpli Kids.

Transform bathtime into fun time with these unique products!

Gelli Baff will change your boring old bath water into brightly coloured thick goo! And watch in amazement as Slime Baff turns the water into a gooey, oozy bath of slime! But your mums and dads don't need to panic! Both products are stain-free, 100% safe on skin and environmentally friendly. Phew!

Seventeen winners will get a double-use Gelli Baff Blue, a twouse Slime Baff Green, plus a Slime Play Blue, Green and Red. That's

seven seriously slimy bathtimes each. Cool!

Visit The Entertainer stores to get your gooey fix!

Q Which of these creatures produces slime?

- a) Hedgehog
- b) Snail c) Tortoise

Turns your water into Gagey Slime 50ge Zimpli Kids



WIN! THE WORST WITCH

Whip out your cauldron and get ready for the magical new stage show based on Jill Murphy's spellbinding book series The Worst Witch.

Mildred Hubble is an ordinary girl who's found herself in an extraordinary place – Miss Cackle's **Academy for Witches.** But not everyone is thrilled by Mildred's unexpected arrival and her less than predictable ways. Can she

of stern Miss Hardbroom and the conniving tricks of jealous **Ethel Hallow**?

One wicked winner will fly away with a family ticket to see the show at the Vaudeville Theatre in London, plus £100 towards travel. **Two** runners-up will win a family ticket to the show.

Visit nimaxtheatres.com to book tickets

Ts & Cs: A family ticket is four tickets, minimum one adult, to see The Worst Witch at the Vaudeville Theatre, London. Valid for all Mon – Fri performances, until 30 August 2019. Subject to availability. No cash alternative.



overcome the objections

ENTER ALL COMPS ON PAGE

chances to win!

CRESSIDA COWELL BOOK BUNDLE

Join wizard Xar and warrior Wish as they embark on their latest adventure, Twice Magic, book two in Cressida Cowell's epic **The Wizards of Once** series.

Witches are creating havoc in the Wildwoods and danger lurks behind every tree. Together, Xar and Wish can save the day but they find themselves separated by the **highest wall imaginable** and time is running out. Gulp!

One lucky bookworm will win **The Wizards of Once**, the sequel **Twice** Magic and a signed Wizards of Once illustration (above), plus a bunch of



other books by famous kids' author Cressida Cowell, including *The* Incomplete Book of **Dragons** and **How to** be a Viking! Twelve runners-up will receive a copy of **The Wizards** of Once.

Available from all good bookshops

Which of these is the name of a famous wizard?

a) Merlin b) Martin c) Marlon



WIN! PLAYMOBIL MISSION TO MARS GOODIES

Blast off on an amazing space adventure with **PLAYMOBIL's** new Mission to Mars range.

Gather up your intrepid explorers

– the Astronaut and Robot – and shoot off into space from the

Mars Rocket with Launchpad,



Once you land on the **Red Planet**, dock in the Mission to Mars Station.

There's a lab for dissecting samples, a fold-out ramp and cannon, and a detachable roof, so you can get to work in the **command centre**. Then hop on board the Mars Research Vehicle or the Mars Rover and begin mapping this vast, unexplored world. Whoa!

Three budding astronauts will win all five Mission to Mars sets! Head to Playmobil.co.uk to see the full space range

> **Which of these is** NOT a planet in our solar system?

- a) Jupiter
- b) Saturn
- c) Apollo

LITTLE FRIENDS: DOGS & CATS

Enjoy a whole lot of fluffy fun with Little Friends: Dogs & Cats. This adorable game for the Nintendo Switch lets you take care of a variety of supersweet **pets**.

Choose from three cute kittens and six breeds of puppy, including a Labrador Retriever, German Shepherd and French Bulldog. Get to know their unique personalities, bond with them and watch your friendship blossom!

Use the Nintendo Switch's touch screen to play with your animals, take them for walks and pet them. Dress them up with over 600 stylish accessories and, when they get hungry, feed them their favourite snacks. Paw-some!

One jammy reader will win Little Friends: Dogs & Cats plus a Nintendo Switch to play it on. Cool! Three runnersup will scoop Little Friends: Dogs & Cats.

Pick up your copy from Amazon.co.uk



Q Can you unscramble these letters to reveal a breed of dog? HEYGOUNDR





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Call 03330 110495 or visit www.forestholidays.co.uk and enter code NGKIDS for 10% off bookings and holidays before 31 December 2019.

Terms and conditions: Competition closes at midnight on 18/07/2019. Winners will be drawn at random and notified via email after the closing date. By using code NGK231 you agree to be contacted by National Geographic Kids.

Visit natgeokids.com

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NAT GEO KIDS INFOPEDIA 2020 BOOK

Have fun keeping up with our rapidlychanging world with the National Geographic Kids Infopedia 2020.

This brilliant book is bursting with photos, tons of fun facts, plus cool crafts and activities. Each chapter features a special interview with an explorer, plus there are fascinating features about animals, science, technology and much more! In this brand-new yearbook you can

check out the results of the 2019 Infopedia Challenge, plus there's a special look at what was going on in the world when the first National Geographic Kids Infopedia came out ten years

The first 50 new Nat Geo Kids subscribers this month will receive a copy of this fab book!

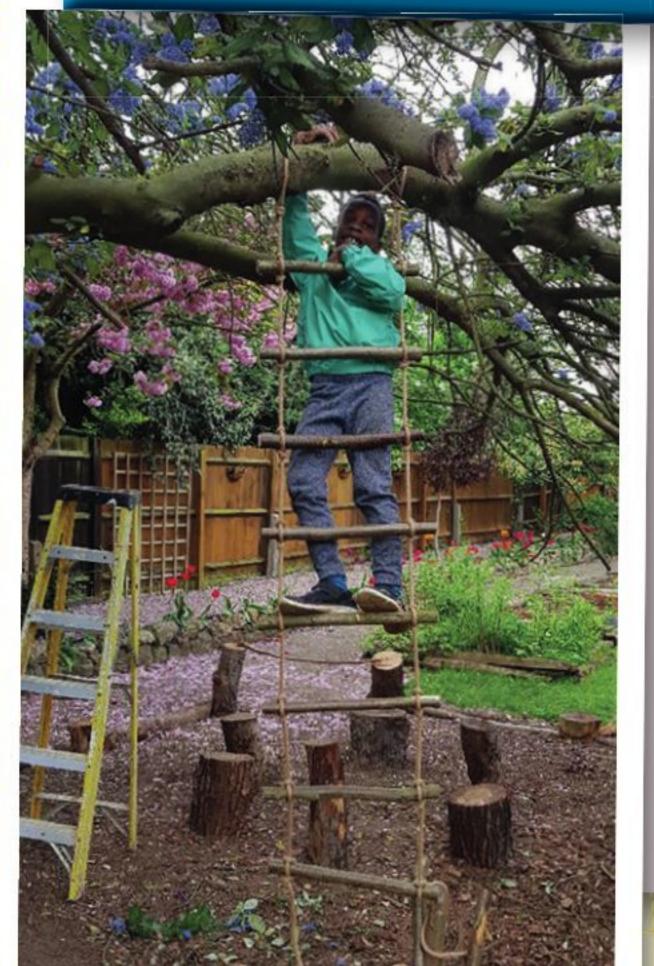
ago. Awesome!

Available from natgeokidsbooks.co.uk

Please note, subscription copies of Nat Geo Kids magazine do not include covermounted gifts but do include collectable fact cards. * The first 50 people to subscribe to the magazine will receive the above free gift, subject to availability. Thereafter, all new subscribers to the magazine will receive one free, random stock gift. Offer ends 15 September 2019. For full prices and Ts&Cs please visit natgeokids.com

JUNIOR R

TREE-MENDOUS PLAYGROUND!



Hey, NG KiDS! We decided to build a natural playground in our garden. We started by clearing unwanted weeds and stones, and then collected logs which we used as the borders for our playground. We built a swing, a see-saw, a storage area for toys, a swinging ladder – and even began to build our own treehouse! We didn't want to buy plastic or metal playground equipment from a shop as it's not good for our planet. We would like to encourage children to make their own natural playground. It's hard work but worth it! Nathanael, 9, and Evan, 7

Wow! We're mega impressed, guys!

(right) and
Evan are kings
of their castle!

HAHA

Nathaneal

HA LOLZ

Q Why do bees have sticky hair? A Because they use honeycombs! Martha, 9

ZONE

HA



FANTASTIC FROGS!

I've been learning about the life cycle of frogs in school and I made a model to show the different stages. Check out the frog spawn, tadpoles and adult frogs! Rosalie, 6

 Love your creativity, Rosalie. That's a fab, fun model!

WILDLIFE WARRIORS

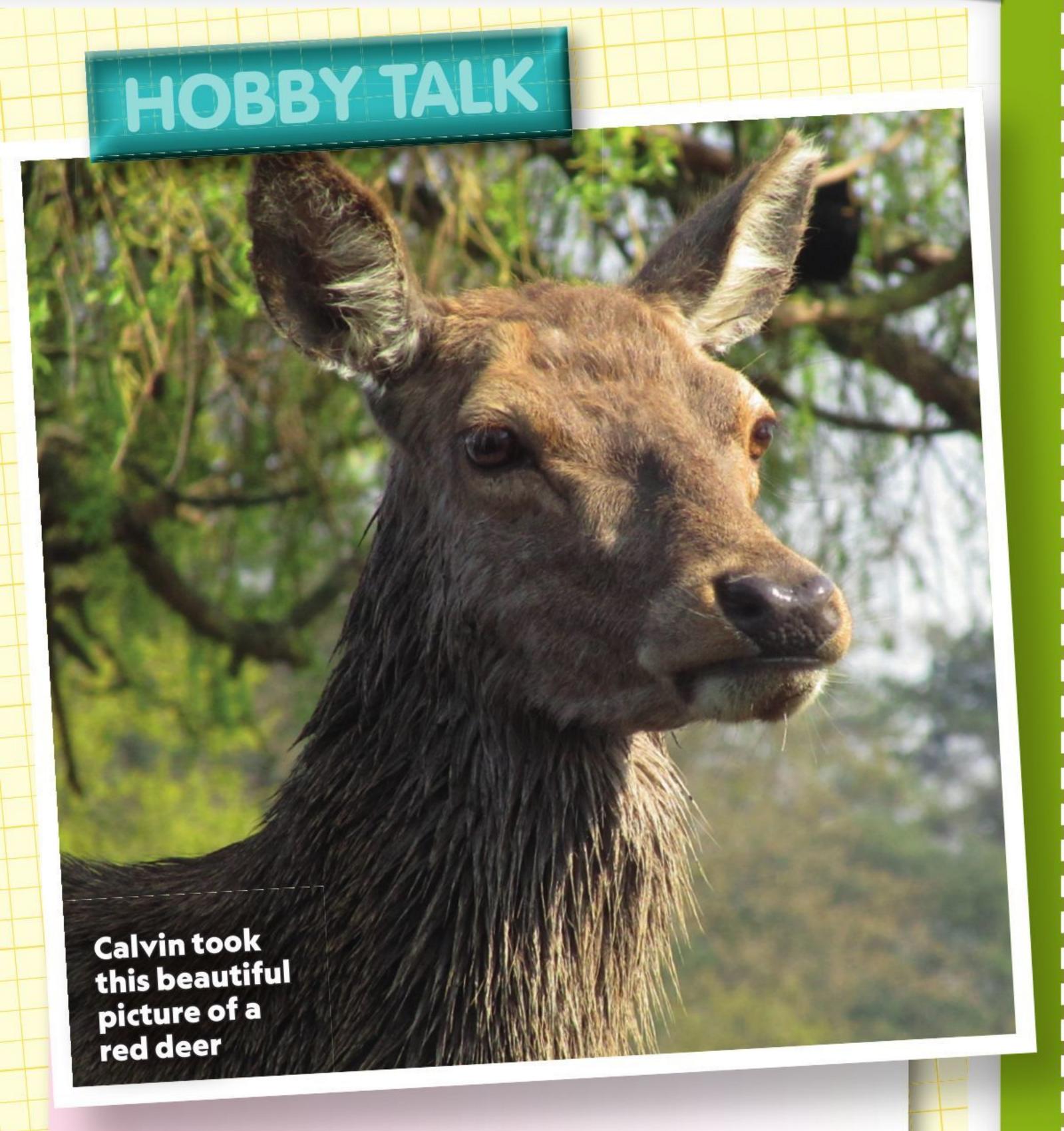


Hi NG KiDS! We're Tilly and Ben. When we found a **bumblebee drowning in a bucket** in our garden we decided to help. First, we carefully fished it out. Then we gave it some sugar water to help it recover, before leaving it to dry out. We were really happy when the bumblebee flew away! Tilly, 11, and Ben, 8

Bee-rilliant work, you two!

We want to hear from YOU! Send in your artwork, jokes, craft pics and pet photos; tell us about your wildlife sightings, hobbies and interests, and share your opinions! Email kids@ngkids.co.uk or write to the address on page 3. A selection will be printed on this page. Send us a pic of yourself, too! Every reader on these pages will receive a copy of the **Puzzle Book Holiday** from NG KiDS Books!

We're sorry, but we won't be able to return your art or photos.



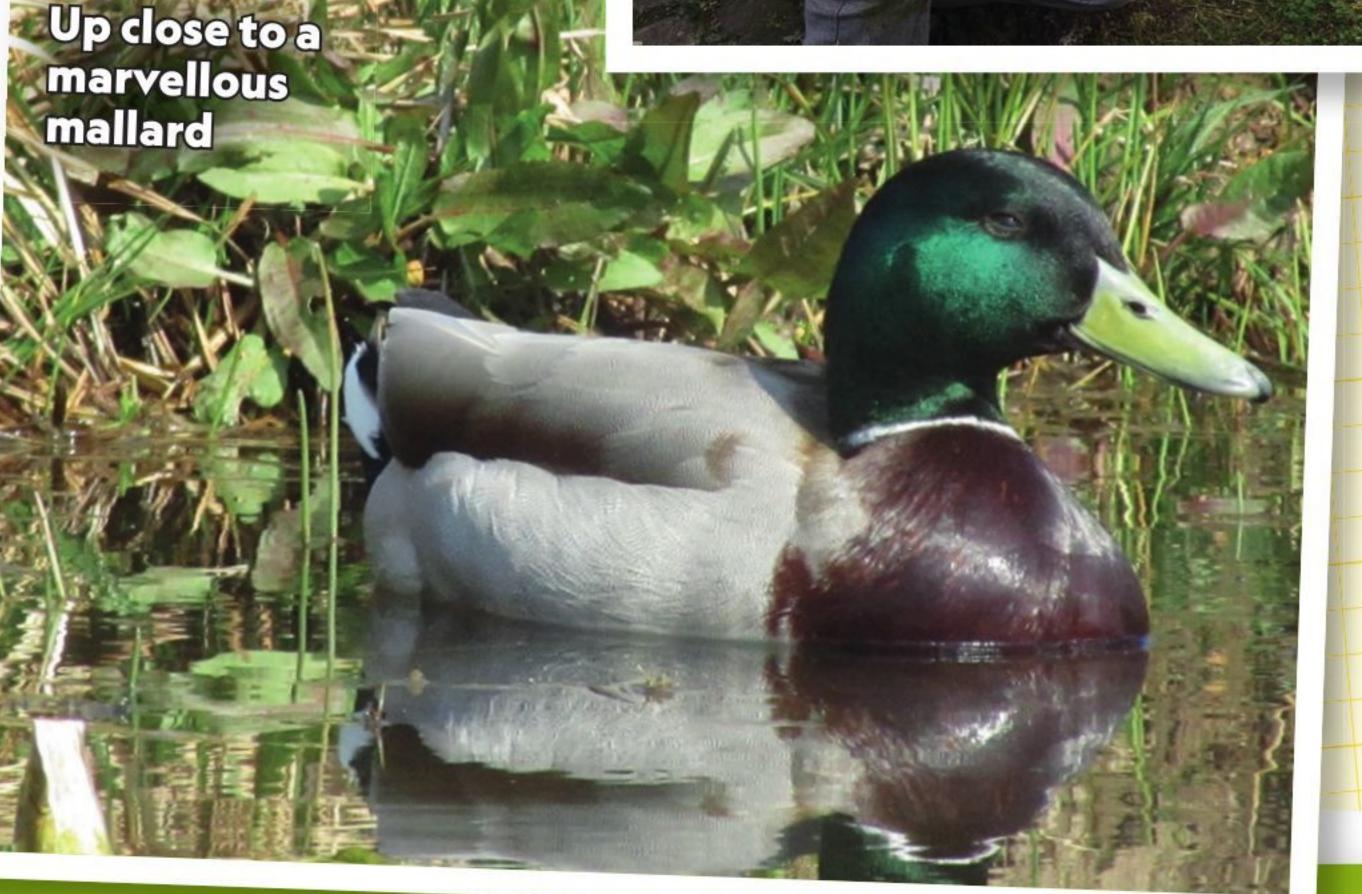
I really enjoy photography and recently visited Bushy Park in Richmond to take some photos. When I arrived

saw a male duck and got snapping right away. Later on I spotted some beautiful deer. They were easily spooked, but I managed to get a few photos before they disappeared! I hope you like my pictures.



Super shooting, Calvin. Well done!





NATIONAL GEOGRAPHIC

COMPETITION ENTRY COUPON

Just tick the box of any competitions you want to enter!

PAGE 10-11 WHAT'S UP?
Horrible Histories Movie goodies What did important Romans usually wear? Tofu Toga Togo Book bundle
What month in 1969 did Neil Armstrong and Buzz Aldrin land on the Moon? June July August
PAGE 19 MR DOG
Book bundle Which of these ISN'T a breed of dog? Labradoodle Labrador Labradoogle
PAGE 45 BOOK OF THE MOON
Telescope and book Who was the <i>second</i> man to walk on the Moon? Neil Armstrong Buzz Aldrin Michael Collins
PAGE 46 KEW GARDENS
Family membership to Kew and a hotel stay In fewer than 200 words (or in a picture) tell us why you think plants are important
PAGE 48 KIDNOCULARS
Kidnoculars Extreme The path that leads to the Kidnoculars is 1 2 3 2
PAGE 50 WIN IT!
Bunch O Balloons How much of our planet is covered by water? 7.1% 71% 100%
Zimpli Kids bundle Which of these creatures produces slime? Hedgehog Snail Tortoise
The Worst Witch Which of these household items do witches famously ride? Feather duster Broom Mop
Cressida Cowell book bundle Which of these is the name of a famous wizard? Merlin Martin Marlon
Playmobil goodies Which of these is NOT a planet in our solar system? Jupiter Saturn Apollo
Nintendo goodies Can you unscramble these letters to reveal a breed of dog?

HEYGOUNDR

OVER TO YOU! FUNSTUFF

Your chance to tell us what you think

What made you buy NG KiDS this month?
☐ If you subscribe, please tick this box ☐ The cover photo (orangutan) ☐ 217 Prizes To Win! ☐ Saving Rare Species! ☐ Summer Fun Puzzle Pull-Out ☐ 8 Awesome Animal Eyes! ☐ Moon Landing!
What's the best thing about this issue?
What's your least favourite thing about this issue?
What's your favourite summer activity?
WRITE TO US! Do YOU want to appear on our Junior Explorers' Club pages? Ask your parent or guardian to email your letters, drawings and photos to us at kids@ngkids.co.uk or post them to the address below – and we could print them in Nat Geo Kids!
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If you are under the age of 13, please ask a
parent or guardian to complete this section
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Parent/guardian's signature
Telephone
I acknowledge my child's participation in entering these competitions, the reader survey and/or the JEC page.
We like to stay in touch with our readers to tell them about all of the latest cool offers and awesome news from Nat Geo Kids. We won't share your information with third parties – unless you've won a comp! Ask your parent or guardian to tick this box if they're happy for us and prize providers to contact you regarding comp entries and your appearance in the mag

Cut along the dotted line and send this entry coupon to: NG KiDS Competitions Summer 2019 issue, Third Floor, 12-14 Berry Street, London, EC1V 0AU

Hurry – the closing date for entries is 1 August 2019!

NATIONAL GEOGRAPHIC KIDS competitions are open to residents of the UK, Eire and the Channel Islands, except employees of Creature Media Ltd, National Geographic Society, and their families, or any associated companies. Entrants to National Geographic Kids contests must be 16 or under. No purchase necessary. Only one competition entry per person. Winners will be the first correct entries drawn after the closing dates. The editor's decision is final. No responsibility can be taken for entries lost or damaged in transit. A list of winners will be available by contacting National Geographic Kids no earlier than six weeks (unless otherwise stated) after the close of the competition. Only the surname and county of the winners will be disclosed. Prizes subject to availability. No cash alternative for any prizes will be offered. Winners may be required to partake in media activity relating to the competitions. We will only share winners' personal details with third parties if they have won a competition, in order for your them to receive their prize. These details are to be used for prize-giving only and not marketing purposes. For full details of our privacy policy, please go to natgeokids.com/privacy

PUPPY PUZZLER

(page 19)



SPOT THE DIFFERENCE

(page 22)



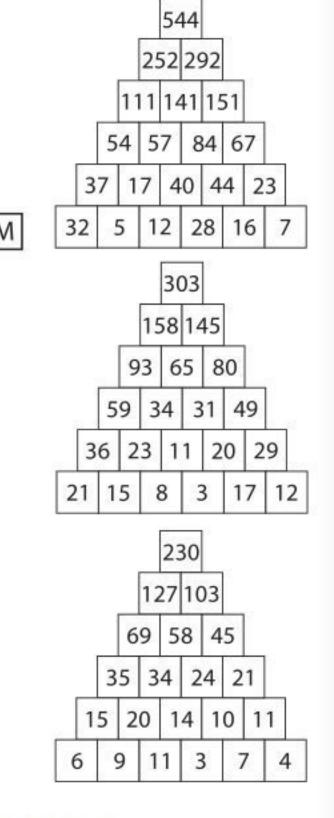
SUMMERTIME CROSSWORD

ROEBVZILJŤ

(page 27) B O A T ²J U N °S 7H E L L S °C R A ⁵B GOGGL 15 CECREAM SWIM S A N D C A S T B A R B E C U E W A V E S HOT

ADD IT UP

(page 28)



RIDDLEZONE (page 28)

1. Chair 2. Stamp 3. Coin 4. Leg 5. Clock 6. Towel

JOKE JUMBLE

(page 28)

1. C, 2. A,

3. D, 4. B.

SUNNY FUN (page 30)

WATER FIGHT

CODE CRACKING

(page 30)

1. THEME PARK 2. SWIMMING POOL

WHICH WORDS?

(page 30)

SMILE, RUINS and TIMED.

BEACH QUEST (page 31):

A.4 **B.**6

PICTURE IT (page 31)

Heart, Owl, Lion, Ice cream, Dolphin, Apple, Yo-Yo, Seahorse = HOLIDAYS

STUMP YOUR PARENTS (page 32)

1. B) Bridal Veil, 2. D) Thunderbolt, 3. A) Jewellery, 4. D) Six, 5. B) Red, 6. B) Thailand 7. D) All of them, 8. A) Papua New Guinea, 9. C) Rattlesnake,

10. B) Edinburgh, Scotland.

MARVELLOUS MOON (page 45)

1. True, 2. B) Eggs, 3. C) Telescope, 4. C) Fruit fly, 5. A) Space sickness, 6. False, the first craft to land on the Moon was Luna 2 in 1959, 7. A) Rabbit, 8. B) Eagle.

NATURE NOISES (page 48)

1. Buzz, 2. Chirp, 3. Caw, 4. Trumpet, 5. Honk, 6. Click.

SEARCH & FIND

(page 31)



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Editor Tim Herbert
Art Editor Ed White
Features Editor Georgia Harrison
Digital Editor Gemma Chandler
Education Editor Kate Stephenson
Senior Designer Claire Brisley
Staff Writer Alexander Tan
Thanks to Amanda Prouten, Paul Kane, Vincent
Vincent and Danny Colquhoun Firth

Creature Media Ltd, Third Floor, 12-14 Berry Street, London, EC1V 0AU



Editorial enquiries 020 7014 3760 Advertising enquiries 020 7014 3769 Financial enquiries 020 7014 3763 Fax 020 7014 3776

Managing Director Peter Johnson
Financial Director Ray Behan
Finance Assistant Jo Draper
Promotions and Partnerships Director Tracey Steel
Promotions and Partnerships Executive
Francesca Duggan

Senior Marketing Manager Teri Williams **Marketing Executive** Emily Meredith

Printed by LSC Communications, Sp.z.o.o. Ul. Obronó Modlina 11, PL-30733, Krakow, Poland

Distributed by Seymour Distribution Limited 2 East Poultry Avenue, London EC1A 9PT

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Editorial Kay Boatner,

Senior Editor / Digital Producer;
Allyson Shaw, Associate Editor / Digital Producer
Photo Shannon Hibberd, Senior Photo Editor
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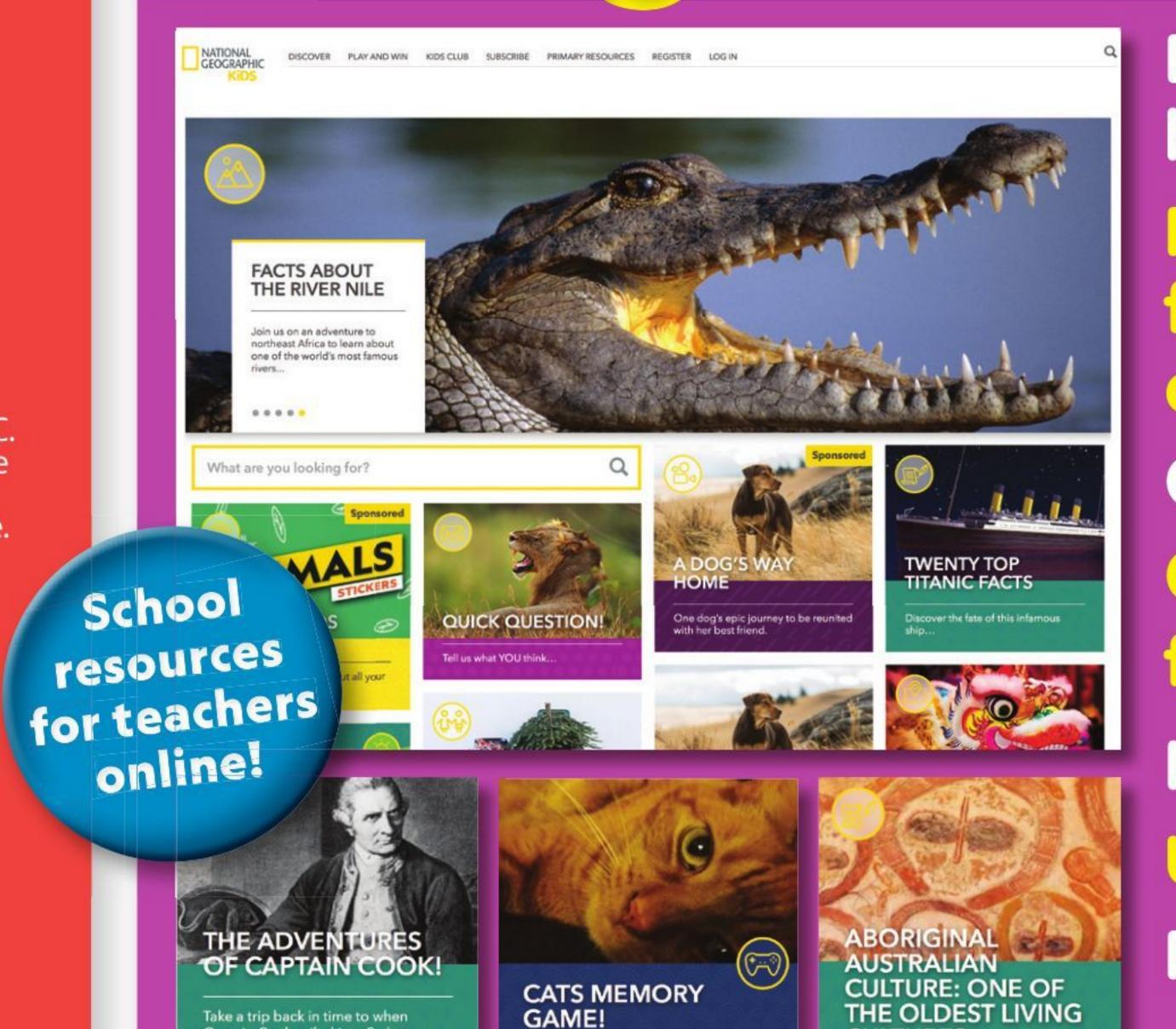


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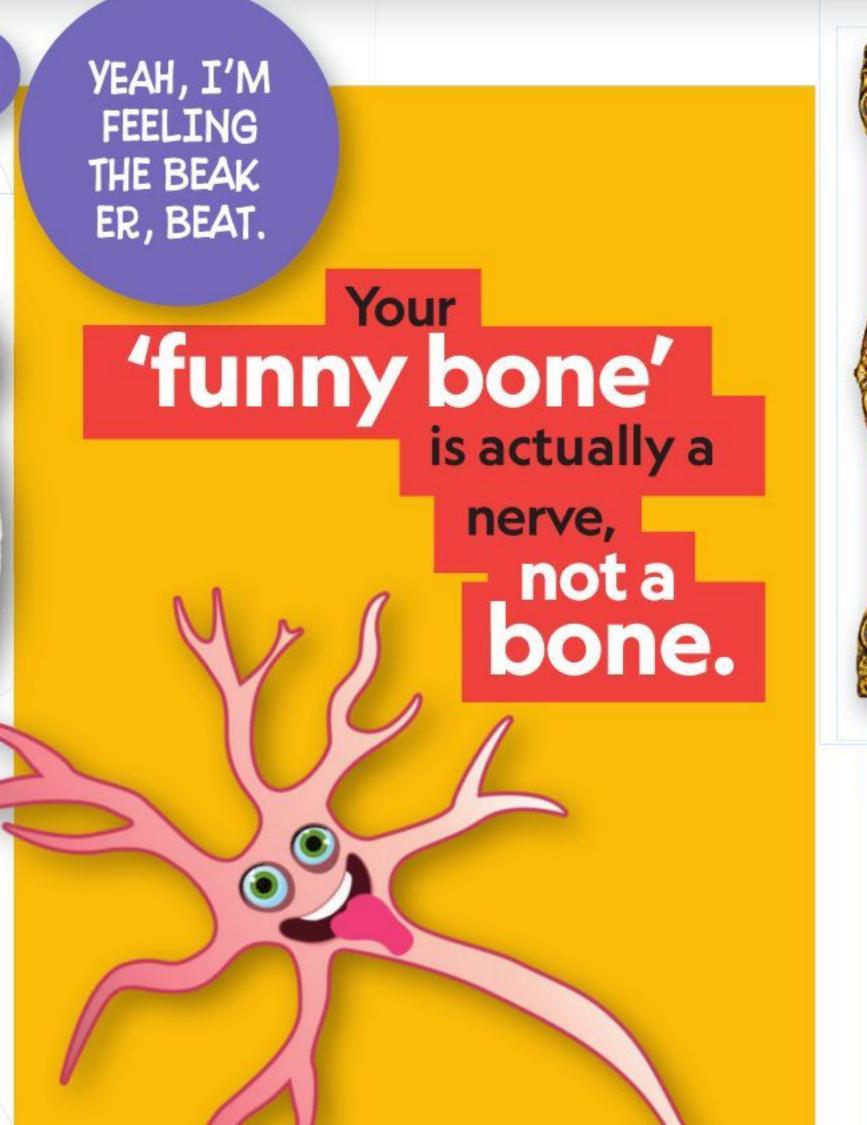
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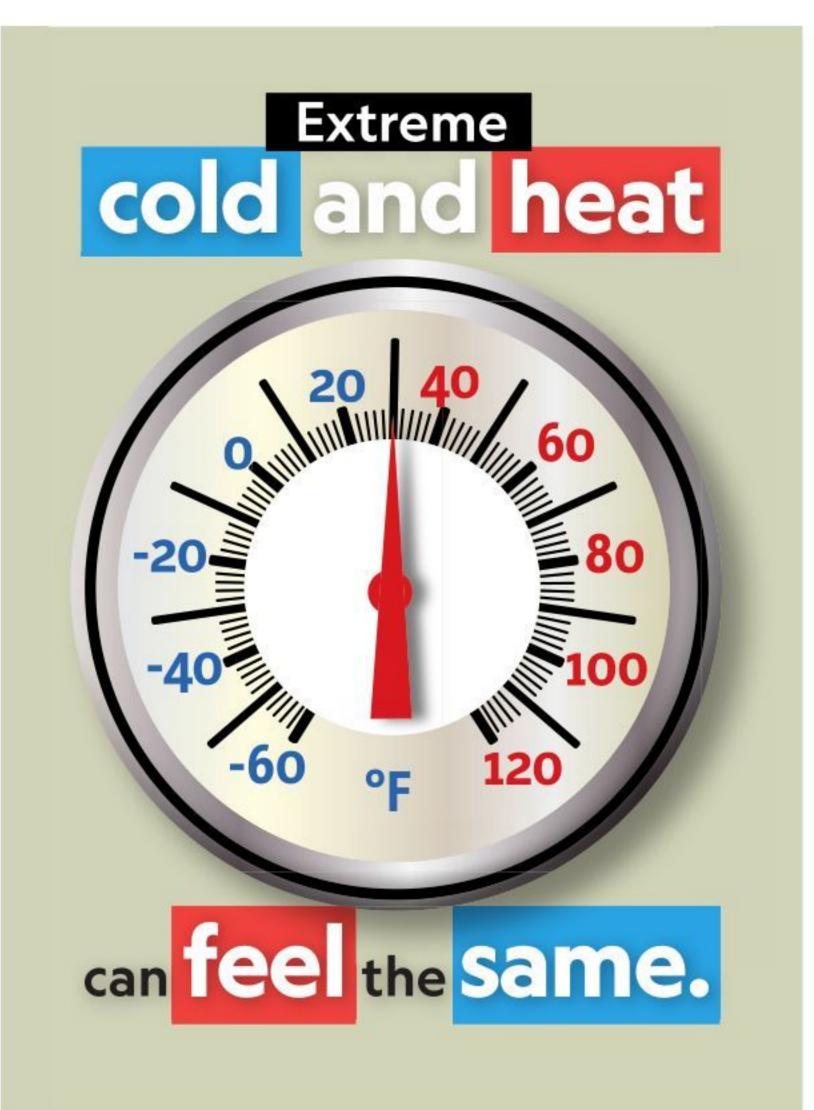
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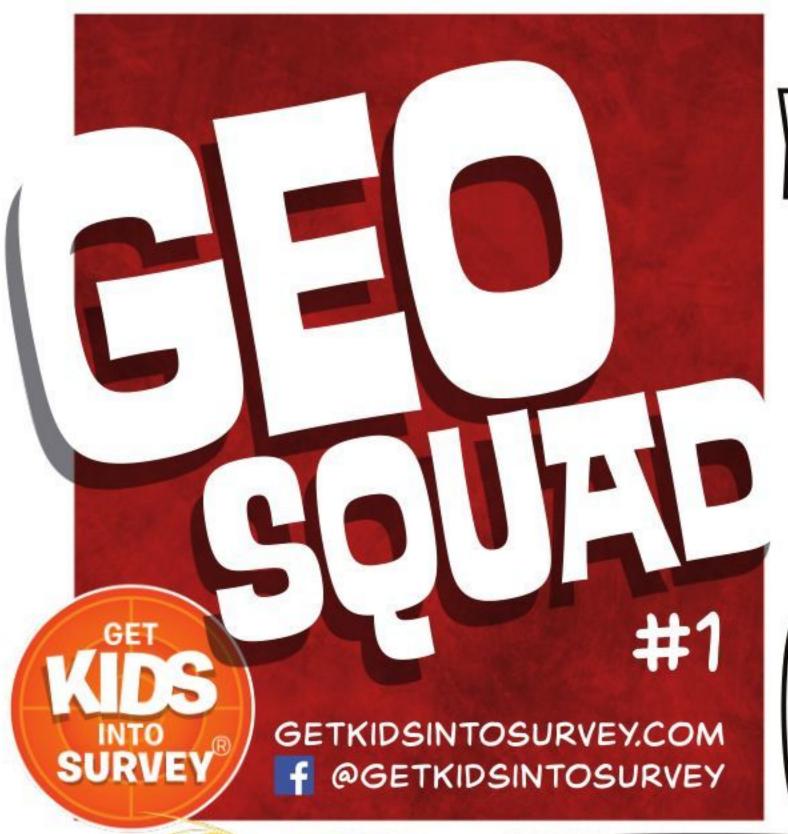


A woman once crossed the Niagara Falls gorge walking on a tightrope wearing baskets on her feet.





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HOW ODD -THIS ONE'S JUST TURNED ON.

> THIS ONE'S STARTED BLINKING TOO!



WHY WOULD THEY START WORKING NOW?

ERR... GUYS? YOU MIGHT WANT TO SEE THIS, OR NOT,

> SUDDENLY, A MYSTERIOUS, CLOAKED FIGURE MATERIALISES IN THE MIDST OF THE CHAOS...



VIVID, AND HORRIFIC.

THIS IS SUPPOSED TO

BE **OUR** TOWN?

SOMEONE HAS A

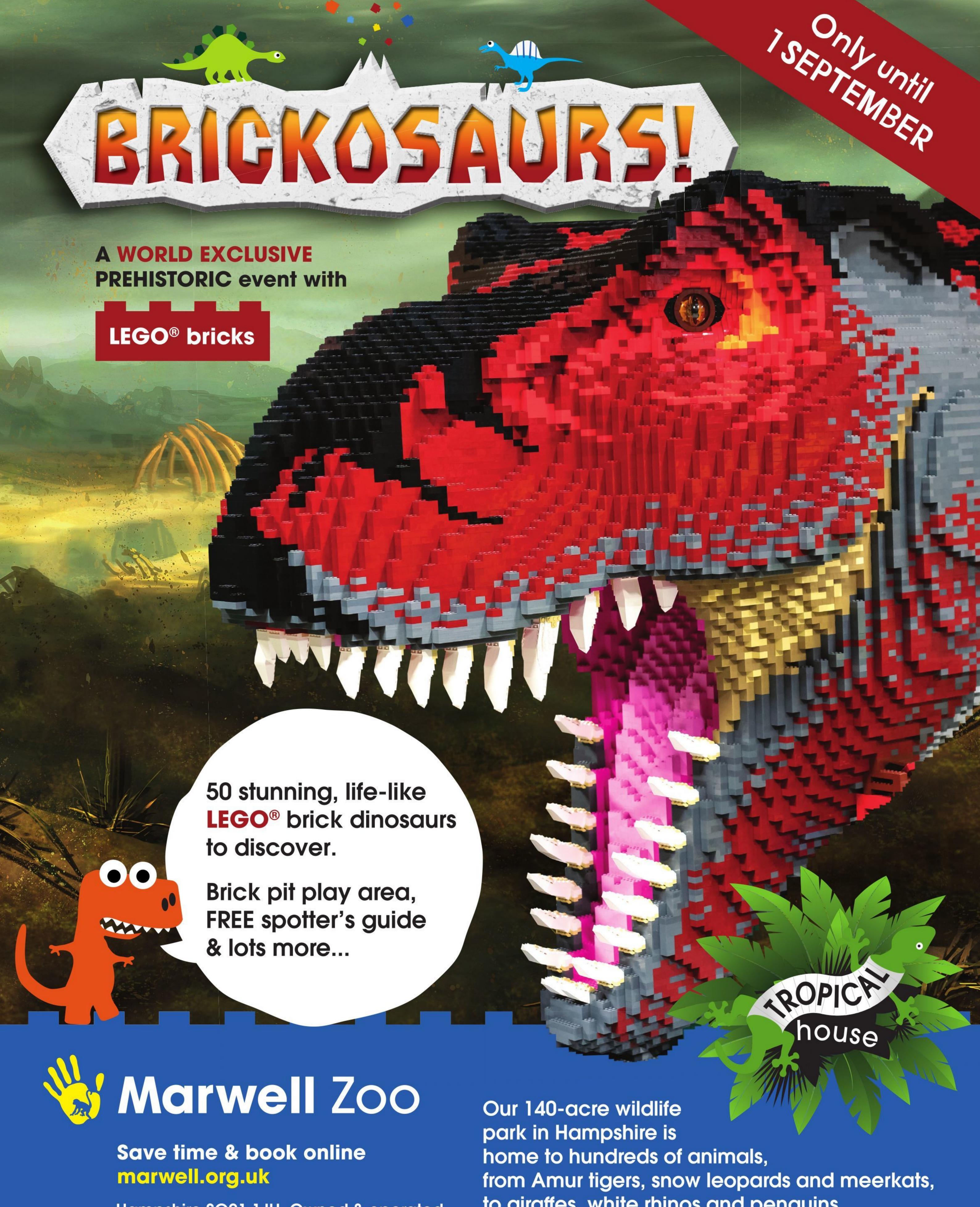
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