

# IN BRIEF

**Mayhem in the Museum** is an exciting story about a school trip that takes an unexpected turn! We're sure you will enjoy this activity pack, which is full of amazing dinosaurs.



## 1. LITERACY LESSON IDEAS

- When you're reading this month's magazine, you might come across a word that you don't recognise. Don't worry – the **Storytime Glossary** has definitions for new words in the stories. **TOP TIP:** When you learn a new word, try using it in a sentence. That will help you to remember it!
- The **Class Discussion Sheet** is about some of our favourite places to go: museums! Which one is your favourite, and what did you discover when you went there?
- The extract from *Mayhem in the Museum* on the **Reading Comprehension Sheet** has questions about adjectives and challenges you to come up with some cool and creative comparisons.
- Somebody has mixed up the events of Fergus's story on the **Story Sequencing Sheet**. Can you fix it? All you have to do is number the different sections to show the order that they should be read in. Don't be afraid to go back and re-read the story if you're not sure about something!
- The **Storyboard** page has some colourful illustrations from this month's featured tale – and it's up to YOU to add the words! Write about what happened to Fergus in the museum underneath each picture...
- This is the first time that we are doing a profile about a DINOSAUR! On the **Character Sheet: Protoceratops** page, answer all the questions about Fergus's new friend.

Continued on page 2...

## 1. LITERACY LESSON IDEAS CONTINUED

- What do you think happened to Fergus when he went to visit the Protoceratops in the new home Petunia Neville created for it? Do you think there would be other dinosaurs there as well? You can write a sequel to **Mayhem in the Museum** using the **Dino Story Cards**! Cut out the cards, shuffle them and put them beside you. Start writing your story – and if you're not sure what happens next, draw a card. The person (or dinosaur!) on the card will show up! Keep drawing a card whenever you need a new idea.
- Can you name all the parts of a dinosaur? Test your knowledge with the **Parts of a Protoceratops** sheet! Fill in the label for each part using the words listed at the top of the page.
- Think about the last time you went to a museum. What was the experience like, and what did you learn? Write about it on the **My Day at the Museum** page!

## 2. SCIENCE LESSON IDEAS

- Dinosaurs died out many millions of years ago – which is a pity, because they are fascinating creatures! The **Fun Fossil Facts!** page has all kinds of cool information about dinosaurs... and some of the facts may surprise you!
- Some dinosaurs are far more famous than others! The **Dino Stars** page has profiles of eight of the most interesting dinosaurs. It will tell you when they lived, what they ate and what you should know about them.
- *Palaeontologists* are scientists who dig up dinosaur fossils so we can find out more about these creatures. See if you can spot the dino bones and eggs on the **Bone Hunting!** page – colour them in when you find them. Do you have what it takes to be a palaeontologist when you grow up?

Continued on page 3...

### 3. MATHS LESSON IDEAS

- Did you know that maths can help you draw? Print and cut out the shapes on the **Build Your Dinosaur!** page, and then arrange them to create different dinosaurs. Who would have thought that squares, circles, triangles and rectangles could be so much fun?
- It's time to try a puzzle with a difference! The **Dino Sudoku** sheet has two Sudoku puzzles for you to complete – but instead of writing in numbers, you use the dinosaur counters on the sheet to fill in the squares. Remember that each kind of dinosaur can only appear once in each row and column!

### 4. ART LESSON IDEAS

- When artists draw dinosaurs, they have to look at their fossilized skeletons and then use their imagination to add muscles, skin, claws, eyes and teeth. You can try doing this by drawing a dinosaur over the skeleton on the **Draw a Dino!** page. Your creature could have big teeth, scales, horns, frills or even feathers!
- A long time ago, most artists drew dinosaurs with plain greyish skin, but scientists now believe that these creatures might have been feathery and bright – like their descendants, the birds! Colour in the picture of the dinosaur on the **Colouring a Protoceratops** page. It doesn't have to look like the one in the story. In fact, because we aren't sure what colour dinosaurs really were, you can get creative and colour it any way you like!

## STORYTIME GLOSSARY

Look up any new words in this handy reference section!

**Boots and His Brothers** (Page 6)

- ▷ **Fjords** – long, narrow, steep-sided bays
- ▷ **Proclamation** – official message
- ▷ **Imprisoned** – put in prison
- ▷ **Rejoined** – went back to
- ▷ **Flowed from** – came out of
- ▷ **Chuckled** – laughed quietly
- ▷ **Glistened** – shone
- ▷ **Challenge** – difficult task
- ▷ **Neat** – tidy
- ▷ **Into the bargain** – as well

**The Earthquake Fish** (Page 11)

- ▷ **Volcanoes** – mountains that lava comes out of
- ▷ **Fierce** – dangerous
- ▷ **Tremble** – shake
- ▷ **Temper** – angry mood
- ▷ **Merchants** – people who sell things
- ▷ **Dozed off** – went to sleep
- ▷ **Shelter** – places to stay
- ▷ **In ruins** – destroyed
- ▷ **Make amends** – make up for what he had done
- ▷ **Tail-twitches** – movements of your tail
- ▷ **Wriggle** – move like a snake

**Gubbon Seer** (Page 15)

- ▷ **Twinkle** – little sparkle
- ▷ **Frustrated** – annoyed about not being able to do something
- ▷ **Maiden** – young lady

- ▷ **Glum** – sad
- ▷ **Dunked** – pushed down
- ▷ **Puzzled** – confused
- ▷ **Demanded** – asked in a rude way
- ▷ **Crooked** – bent
- ▷ **Slammed** – suddenly shut
- ▷ **Keyhole** – place to unlock a lock with key

**The Princesses Move In!** (Page 20)

- ▷ **Loft** – high space under the roof
- ▷ **Labelled** – put labels on
- ▷ **Cobwebs** – silk webs made by spiders
- ▷ **Junk** – rubbish
- ▷ **Discouraged** – disheartened
- ▷ **Clambered up** – climbed up
- ▷ **Scrape** – scratch
- ▷ **Grand finale** – big performance at the end

**Mayhem in the Museum** (Page 22)

- ▷ **Vaulted** – leaped
- ▷ **Skeleton** – bones of a creature
- ▷ **Trailing** – following slowly
- ▷ **Gasps** – surprised sounds
- ▷ **Lanky** – thin
- ▷ **Bowed** – bent over at the waist
- ▷ **Dimly** – not brightly
- ▷ **Cylinder** – long, round container
- ▷ **Sprouted** – grew
- ▷ **Thrashed** – moved violently
- ▷ **High-pitched** – sharp-sounding
- ▷ **Thundering** – loud and booming
- ▷ **Lashed out** – attacked

Continued on page 2...



# STORYTIME GLOSSARY

2 OF 2

- ▷ **Collapsed** – fell down
- ▷ **Triumph** – victory
- ▷ **Predator** – hunting animal
- ▷ **Gurgled** – made a wet little noise
- ▷ **Entrepreneur** – inventor and businessperson who starts companies

## **Sacagawea Leads the Way** (Page 30)

- ▷ **Lodges** – houses
- ▷ **Impressive** – large and amazing
- ▷ **Camp** – place where people stay
- ▷ **Chiefs** – people in charge
- ▷ **Buckskin** – skin of a deer
- ▷ **Paces** – steps
- ▷ **Expedition** – planned journey
- ▷ **Convince them** – make them believe
- ▷ **Translator** – somebody who reports what someone is saying in another language
- ▷ **Knowledgeable** – knew many things
- ▷ **Admired** – respected
- ▷ **In her honour** – as a sign of respect
- ▷ **Gear** – equipment
- ▷ **Familiar** – that she remembered
- ▷ **Unimaginably vast** – so big that it can't be properly imagined

## **The Magic Garden** (Page 36)

- ▷ **Awakened** – woken up
- ▷ **Bandits** – robbers
- ▷ **Ploughing** – breaking soil with a plough so things can be grown in it

- ▷ **Rightfully** – properly
- ▷ **Khan** – Mongolian ruler
- ▷ **Streams** – little rivers
- ▷ **Purchase** – buy
- ▷ **Bedraggled** – dirty and messy
- ▷ **Dawdled** – walked slowly
- ▷ **Ruefully** – in a regretful way
- ▷ **Tended** – cared for
- ▷ **Hedge** – wall made of bushes
- ▷ **Beggars** – poor people who make a living by asking for money
- ▷ **Patted** – quickly touched

## **The Measure of Rice** (Page 41)

- ▷ **Ministers** – important advisors
- ▷ **Empire** – a group of many countries, ruled by an emperor
- ▷ **Fair** – reasonable
- ▷ **Dearly** – for a lot of money
- ▷ **Sovereign** – a kind of gold coin
- ▷ **Fired** – took away the job of
- ▷ **Speechless** – too surprised to say anything
- ▷ **Humiliated** – very embarrassed

# CLASS DISCUSSION SHEET

**LET'S TALK ABOUT...** **museums!** It's great fun to go on a field trip to a museum – and you can learn a lot, too! Let's talk about what it's like to go to one of these wonderful places.

1. Have you ever been to a museum? If not, which one would you like to visit?  
\_\_\_\_\_
2. What was your favourite exhibit of all in it? Why did you like it, and what made it special? Or what treasure would you like to see in a museum one day?  
\_\_\_\_\_
3. What do you think the difference is between seeing things in a museum and reading about them in a book?  
\_\_\_\_\_
4. In the story, Fergus gets to see a living Protosaurus! Which extinct creature would *you* like to see brought back to life?  
\_\_\_\_\_

## MY FAVOURITE SUBJECT!

In the story, Fergus **REALLY** likes dinosaurs. What is *your* favourite subject? Write about it below!

My favourite subject is: \_\_\_\_\_

I am interested in it because: \_\_\_\_\_

\_\_\_\_\_

# READING COMPREHENSION SHEET

Read the extract below about Fergus seeing the Tyrannosaurus rex skeleton – and then answer the questions underneath!

“

There it was! It towered above everything else in the main hall of the museum – the massive skeleton of the Tyrannosaurus rex. He'd pestered his mum into taking him to see it dozens of times, but it still took his breath away!

Its head alone was the size of a small car, and the dozens of teeth in its mouth were longer than his hand!

1. Can you find two *adjectives* (describing words) in the extract that tell you how big things are? What are they?  
\_\_\_\_\_
2. What do you think the word 'dozens' in the third sentence means? How much do you think a dozen is?  
\_\_\_\_\_
3. In the final sentence, the skeleton's head and teeth are described by comparing them to other things. What are they compared to? Can you think of other comparative words you could use?  
\_\_\_\_\_

”

## COMPARE IT!

Can you finish these comparisons in a cool and creative way?

The dinosaur was as big as \_\_\_\_\_.

The noise was as loud as \_\_\_\_\_.

The light was as bright as \_\_\_\_\_.

Answers: 1. Massive and small. 2. 'Dozens' means 'groups of twelve', because 'a dozen' means 'a group of twelve'. 3. They are compared to a small car and Fergus's hand.

NAME \_\_\_\_\_

CLASS \_\_\_\_\_

# STORY SEQUENCING SHEET

Do you know which order the events from this story should go in?

Write a number after each part to show how to read it...

That was when Petunia Neville entered the main hall. Fergus didn't recognise her, but the other kids knew that she was famous!

The kids and scientists ran away as the Protoceratops charged out of the room and into the corridor. Fergus followed it into the main hall.

Petunia explained that she had dug up the creature in Canada. It had been frozen for millions of years!

He was staring at the skeleton of the Tyrannosaurus rex in the main hall when his teacher said he had a surprise for them.

One of Fergus's schoolmates said that it was not a dinosaur because it had feathers and was quite small. Fergus told her she was wrong!

Fergus approached the Protoceratops calmly. He got down on all fours and patted it – the dinosaur seemed to like this!

Petunia led the kids through a corridor to a laboratory. Inside, they saw a Protoceratops dinosaur, floating in a tank!

Petunia and Fergus's teacher were impressed by what Fergus had done – and Petunia offered to give the Protoceratops a good home.

As Fergus was looking at the Protoceratops, he saw it move. The dinosaur then thrashed its legs and shattered the tank. It was alive!

Fergus went on a school trip to the museum with his class. He was the first one to rush in through the doors!

When the dinosaur saw the Tyrannosaurus rex skeleton in the hall, it lashed out with its tail and knocked it down!

NAME \_\_\_\_\_

CLASS \_\_\_\_\_

# STORYBOARD

1 OF 2

Tell the tale of Fergus and the Protoceratops in your own way by writing about what happened to him underneath these pictures!

1




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2




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3




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4




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Name \_\_\_\_\_

Class \_\_\_\_\_



# STORYBOARD

2 OF 2



## WORKING IN A MUSEUM!

Who does which job in a museum? Match the jobs to the descriptions by putting the correct number in each box!

### 1. Conservator

### 2. Tour guide

### 3. Curator

### 4. Archivist

### 5. Historian

### 6. Head of exhibitions

### 7. Education officer

- ☐ They find out how old objects are and come up with ways to fix, preserve and display them.
- ☐ They manage a team of curators and decide how much money should be spent on exhibitions.
- ☐ They arrange special tours and experiences for school groups that visit the museum.
- ☐ They organise collections and create ways to display objects, artwork and archives the museum.
- ☐ They give tours of the museum to visitors and tell them all about the amazing things on display.
- ☐ They organise the documents and records about objects in a museum's collection.
- ☐ They gather historical information from manuscripts, records, books and objects.

Answers: In order: 1, 6, 7, 3, 2, 4, 5.

Name \_\_\_\_\_

Class \_\_\_\_\_

## CHARACTER SHEET: PROTOCERATOPS

In this month's story, Fergus made friends with a little dinosaur know as a Protoceratops. Imagine what it was like when it was alive by filling in these answers!



Which three adjectives would you choose to describe the Protoceratops?

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What do you think would help the Protoceratops to calm down?

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What do you think it would eat?

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Draw a picture of what you think the dinosaur's new home would look like!



What did the Protoceratops NOT like?  
Why do you imagine this is?

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If a Protoceratops was alive today, where do you think it would like to live? Which living animals are similar to a Protoceratops?

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# DINO STORY CARDS

You can create a new story! Perhaps one where Fergus goes to visit the place where Petunia Neville keeps her collection of dinosaurs. Start telling your story – and draw a card when you need to find out who turns up!

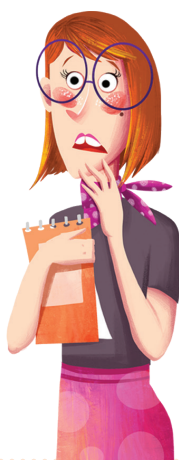
MR BURTON



PROTOCERATOPS



PETUNIA NEVILLE



TYRANNOSAURUS  
REX



FERGUS



VELOCIRAPTOR





# PARTS OF A PROTOCERATOPS

Do you know dinos well? See if you can name all of the labelled parts on the picture of the our cover star dino. The words are listed to the right – but you have to decide which bit is which!

Frill  
Beak  
Leg  
Tail  
Tail  
Body  
Feathers

A.

B.

C.

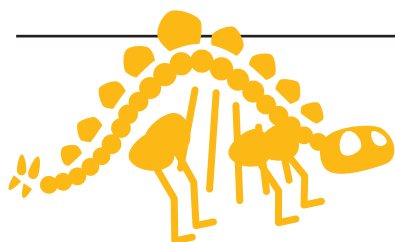
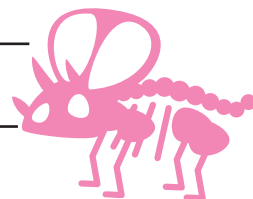
D.

E.

F.

Name \_\_\_\_\_

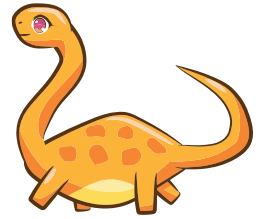
Class \_\_\_\_\_



# Class

# FUN FOSSIL FACTS!

Here are some incredible things that you may not know about dinosaurs. Research and fill in a fact of your own at the bottom!



The word  
**'dinosaur'**  
means 'terrible  
lizard' in Greek!

Dinosaurs might  
look like reptiles, but  
they were not cold-  
blooded – **they were  
warm-blooded**,  
like mammals  
and birds.

You might have  
eaten a dinosaur's  
descendants! Modern  
birds evolved  
from dinosaurs  
called **therapods**!

**Pterosaurs**  
are often thought  
of as dinosaurs,  
but they were actually  
huge flying lizards!

Sea-dwelling  
Plesiosaurs and  
Ichthyosaurs looked a  
lot like dinosaurs, but  
they weren't! **They  
were reptiles!**

Dinosaurs are  
often shown as  
being rather stupid –  
but some might have  
been as **intelligent**  
as today's birds!

Dinosaurs are  
often drawn with  
leathery greyish skin,  
but scientists now think  
some types might have  
had **brightly coloured  
feathers!**

We know  
about dinosaurs from  
**fossils**, which are  
remains that have  
turned into stone over  
millions of years.

Dinosaurs lived  
between **245 and  
66 million years ago**.  
It is thought that they  
became extinct after  
a giant asteroid  
struck the Earth.

Bones are the  
most well-known  
type of dinosaur  
fossil, but fossils of  
dinosaur **skin, eggs  
and even poo** have  
been found!

**MY AMAZING  
DINO FACT IS..**

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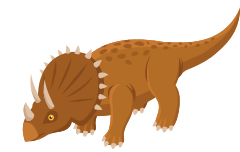



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# DINO STARS

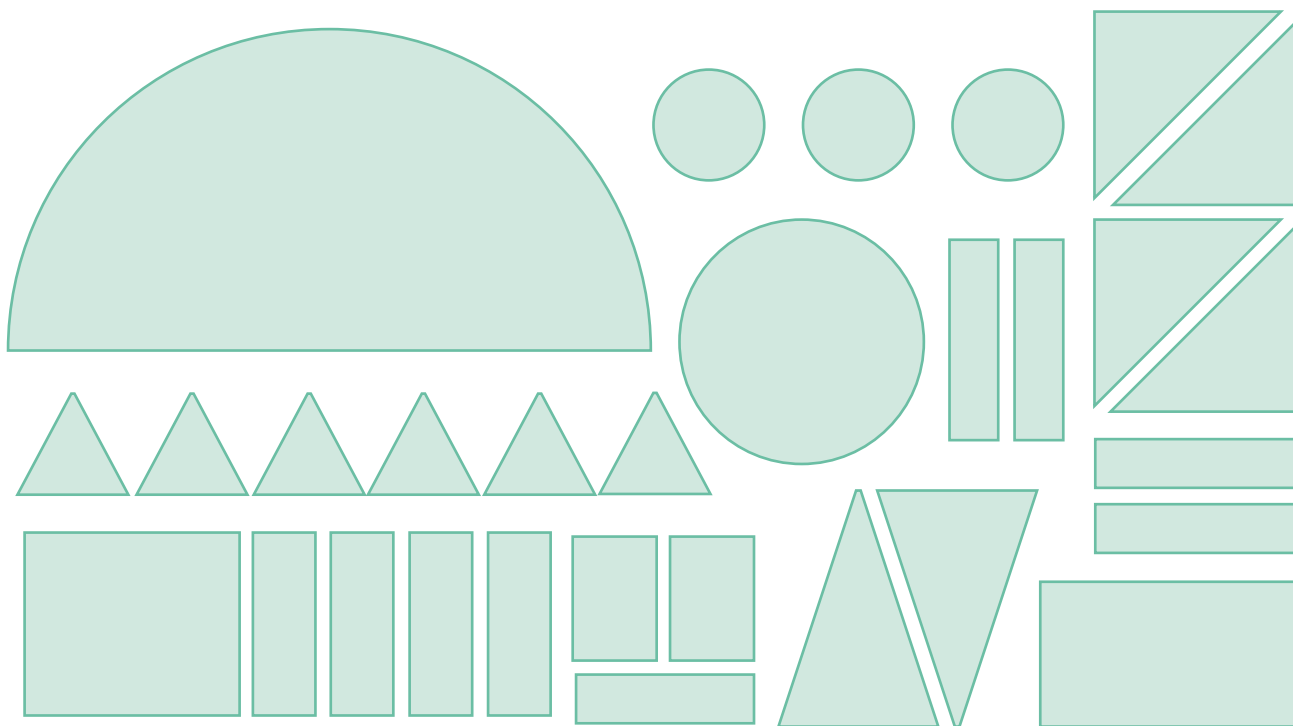
Check out these profiles of the coolest dinosaurs of all time!

Did you know them all? Which one is your favourite?

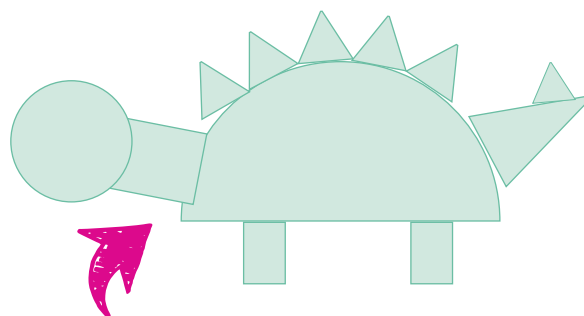
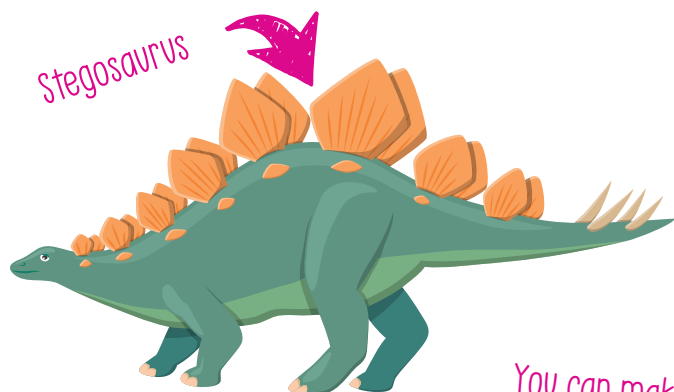
Name	Picture	What did it eat?/When did it live?	Did you know?
<b>Tyrannosaurus rex</b>		<b>What did it eat?</b> Meat! <b>When did it live?</b> 68-66 million years ago, during the Cretaceous period	<i>It was one of the largest meat-eating dinosaurs!</i>
<b>Diplodocus</b>		<b>What did it eat?</b> Plants! <b>When did it live?</b> 155-145 million years ago, during the Late Jurassic period	<i>It was one of the longest dinosaurs to ever exist!</i>
<b>Stegosaurus</b>		<b>What did it eat?</b> Plants! <b>When did it live?</b> 155-145 million years ago, during the Late Jurassic period	<i>The plates on its back may have been used to keep it cool!</i>
<b>Protoceratops</b>		<b>What did it eat?</b> Plants! <b>When did it live?</b> 74-70 million years ago, during the Late Cretaceous period	<i>A fossil has been found of a Protoceratops fighting a Velociraptor!</i>
<b>Triceratops</b>		<b>What did it eat?</b> Plants! <b>When did it live?</b> The Late Cretaceous period (68-66 million years ago)	<i>Scientists think these big dinosaurs lived in herds!</i>
<b>Velociraptor</b>		<b>What did it eat?</b> Meat! <b>When did it live?</b> 74-70 million years ago, during the Late Cretaceous period	<i>These small dinosaurs were about the same size as a turkey!</i>
<b>Spinosaurus</b>		<b>What did it eat?</b> Meat and fish! <b>When did it live?</b> 95-70 million years ago, during the Late Cretaceous period	<i>This dinosaur might have gone swimming to hunt prey!</i>
<b>Ankylosaurus</b>		<b>What did it eat?</b> Plants! <b>When did it live?</b> 74-67 million years ago, during the Late Cretaceous period	<i>This dinosaur had armour plates and a club-like tail!</i>

# BUILD YOUR DINOSAUR!

Use these simple shapes to create cool things like.... dinosaurs! Cut out the shapes and arrange them to make dinos. Use the Dino Star table for inspiration to create many more dino shapes too!



How many dinosaurs can you create using the shapes above?  
Here is the first one to get you started...



You can make shapes and colour them in!  
Print out as many extra pieces as you need!

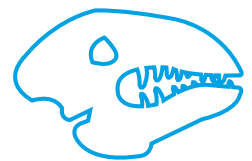


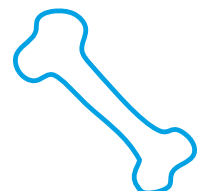
# BONE HUNTING!

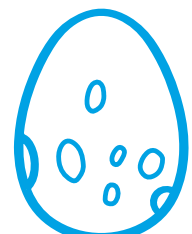
Scientists called palaeontologists dig for dinosaur bones that have been turned to stone. Now you can try finding dinosaur fossils in the rock below. Write down how many objects of each type you spotted!



How many  
are there?





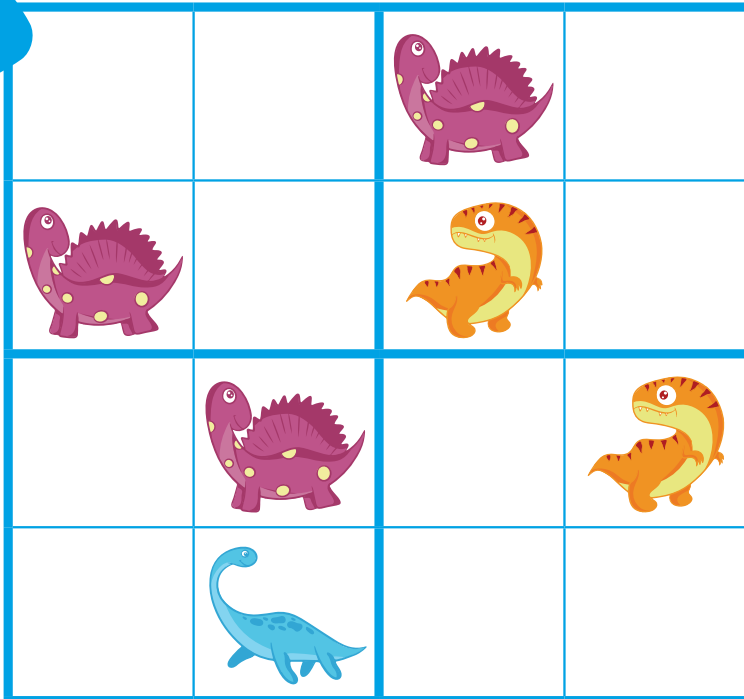



Answers: There are 5 skulls, 11 bones and 6 eggs.

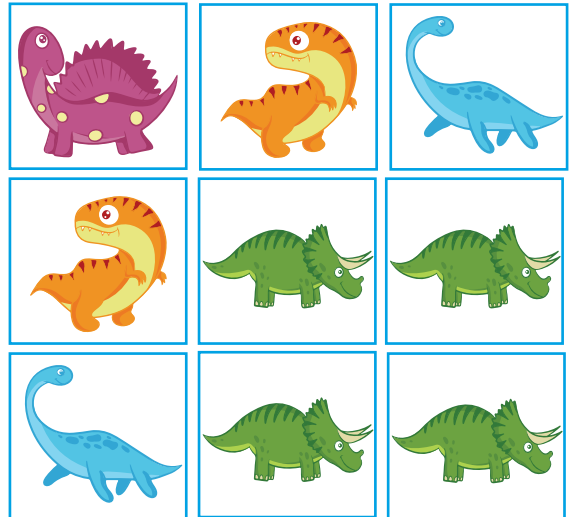
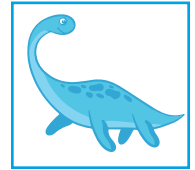
# DINO SUDOKU

You don't do these sudoku with numbers – instead, you cut out the dino tiles on this page and use them to fill in the gaps. There can only be one dinosaur of each colour in each row and column and all tiles must be used!

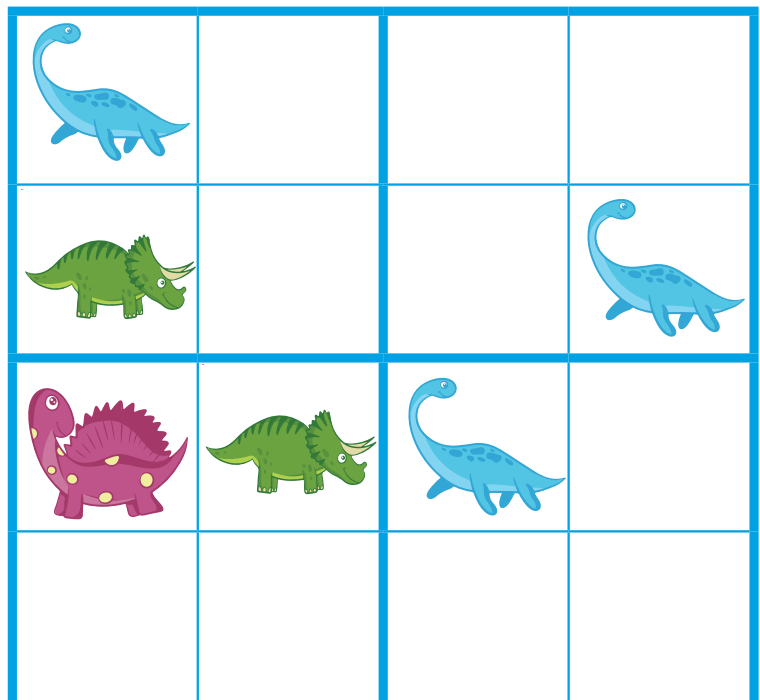
1



Use these extra pieces to complete your Dino Sudoku!



2

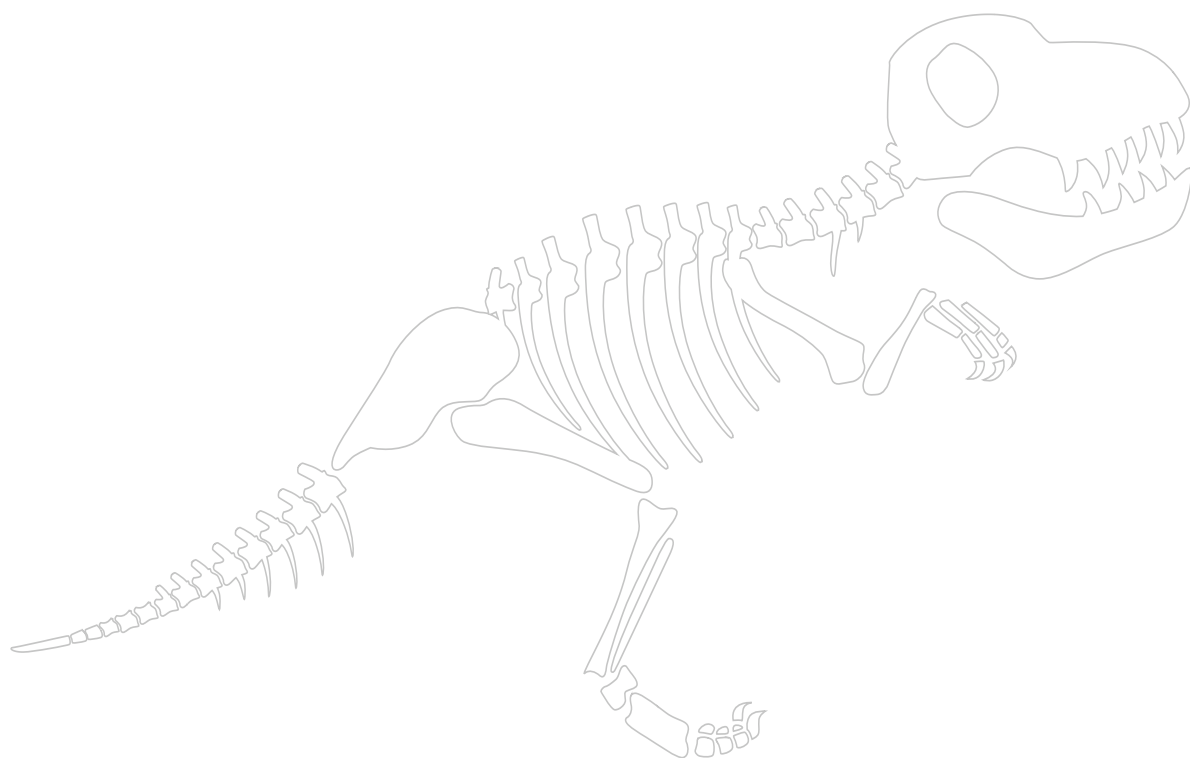


Answers: 1:

2:

## DRAW A DINO!

When artists draw dinosaurs, they need to imagine what they looked like, based on fossils we have found. Try drawing a dinosaur over the skeleton below – you can even give it a bright colour scheme!





## COLOURING A PROTOCERATOPS

Colour in this epic battle and the dinosaur that starred in our cover story. He doesn't have to look like he does in the illustrations, though – dinosaurs might have been almost any colour!

