

First Facts Dinosaurs

by Rebecca Johnson

Combine the teaching of science and maths content with literacy through these books and activity sheets. The eight books in the series are supported by two photocopiable worksheets each. The most reluctant readers are guaranteed to be interested by these dynamic books and fun activity sheets.

Through a slow release of information, each book builds a solid understanding of how dinosaurs are classified. The activity sheets reinforce this understanding through the presentation and repetition of information in a variety of ways. The tasks for this series are STEM based, and are designed to develop early research skills.

- The books guide students to:
- independently compare and contrast
- measure
- use glossaries and indexes
- decipher facts and information from tables and graphs
- complete design challenges
- make inferences about what they have read.

Linked to the Australian Curriculum science outcomes listed below, these books and their accompanying worksheets are valuable resources across primary schools, and cater to students with different needs and abilities.

Steve Parish **KIDS**



\$7.95 RRP

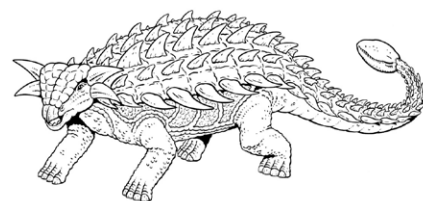


| | | |
|------------|---|----------------------|
| Foundation | Living things have basic needs, including food and water. | ACSSU002 |
| Year 1 | Living things have a variety of external features. | ACSSU017 |
| Year 2 | Living things grow, change and have offspring similar to themselves. People use science in their daily lives, including when caring for their environment and living things. | ACSSU030 ACSHE035 |
| Year 3 | Living things can be grouped on the basis of observable features and can be distinguished from non-living things. Science involves making predictions and describing patterns and relationships. | ACSSU044 ACSHE050 |
| Year 4 | Living things have life cycles. Living things depend on each other and the environment to survive. | ACSSU072 ACSSU073 |
| Year 5 | Living things have structural features and adaptations that help them to survive in their environment. | ACSSU043 |

There are 8 books in the **First Facts Dinosaurs** series. Their titles, reading levels and ISBNs are listed below:

| Title | Isbn | Reading Level |
|--------------------------------------|---------------|---------------|
| Horn-faced Dinosaurs | 9781925425918 | 18 |
| Bird-footed Dinosaurs | 9781925425925 | 18 |
| Thick-headed Dinosaurs | 9781925425932 | 18 |
| Plated Dinosaurs | 9781925425949 | 18 |
| Armour-covered Dinosaurs | 9781925425956 | 19 |
| Lizard-footed Dinosaurs | 9781925425963 | 18 |
| Prehistoric Flying & Marine Reptiles | 9781925425970 | 30 |
| Beast-like Dinosaurs | 9781925425987 | 19 |

First Facts Armour-covered Dinosaurs



1 Use the flow chart on page 7 to help you answer these questions:

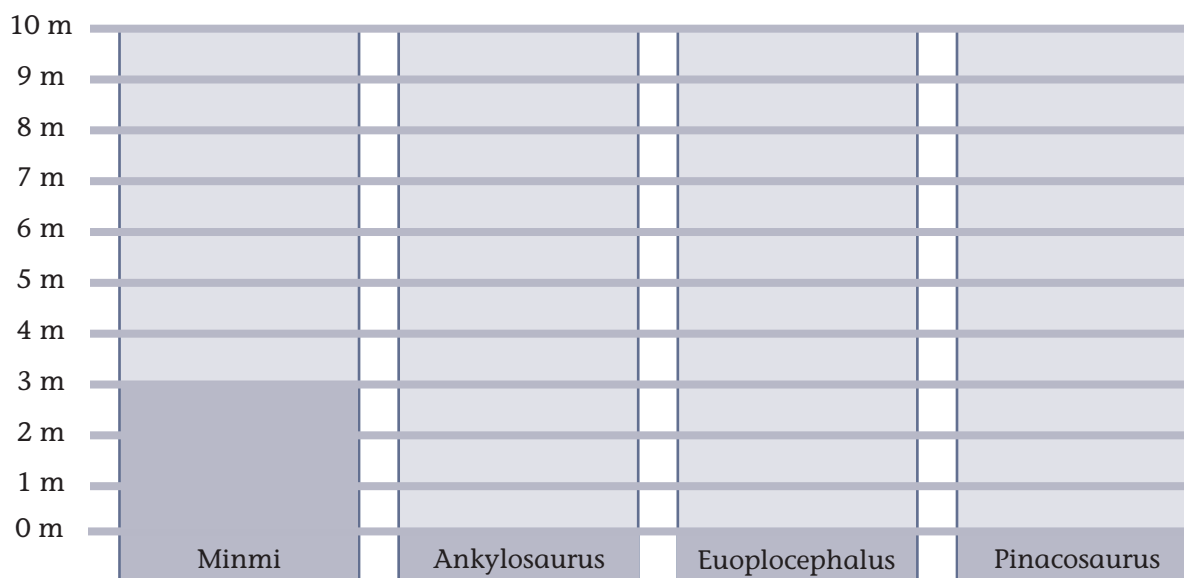
- Which group of dinosaurs was most closely matched to armour-covered dinosaurs? _____
- Were *Ankylosauria* bird-hipped or lizard-hipped? _____
- Which other group did Plated and armour-covered dinosaurs belong to? _____

2 Find the facts:

- What does the term extinct mean? _____
Do you know of any other animals that are extinct? _____
- What did armour-covered dinosaurs eat? _____
- What did some armour-covered dinosaurs have on the end of their tail? _____
Why do you think they had that? _____
- Name two continents that armour-covered dinosaurs have been found on _____ and _____

3 **Graphing:** Use the book to complete the graph below. The first one has been done for you.

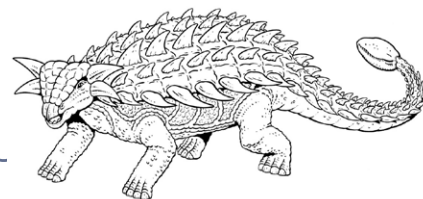
Comparison of Dinosaur Lengths



NAME _____

First Facts

Armour-covered Dinosaurs

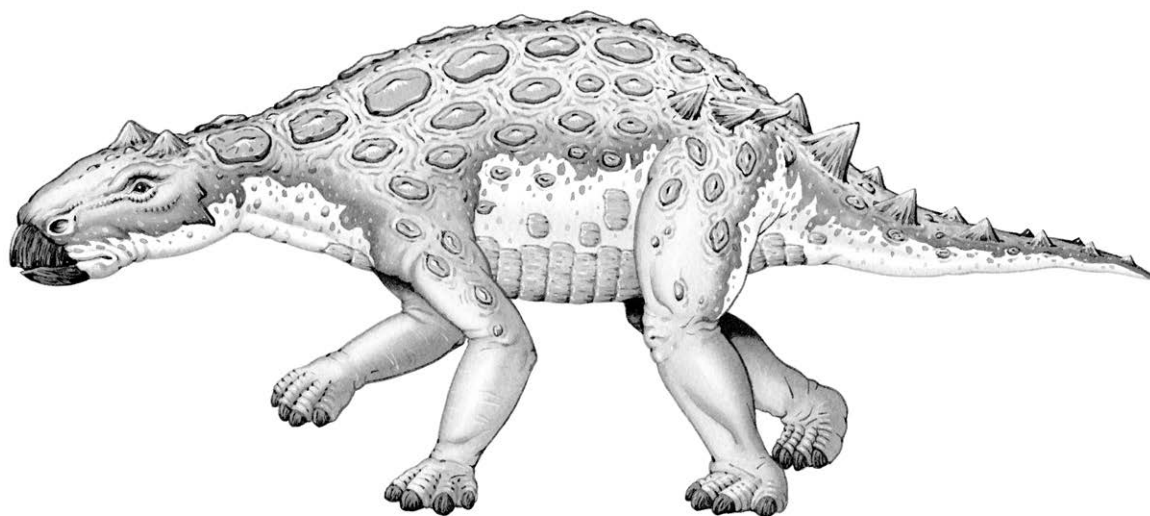


4 Compare and contrast the dinosaurs from pages 14 to 21 to answer these questions:

- a. Which was the heaviest armour-covered dinosaur featured? _____
- b. Which species lived more than 100 million years ago? _____
- c. Which was the shortest armour-covered dinosaur featured? _____
- d. Which species was found in Australia? _____
- d. Which species did not have a bony knob on its tail? _____
- e. What are two things in common with all of the armour-covered dinosaurs, apart from their armour? _____ and _____
- f. Which two species were around the same weight? _____ and _____

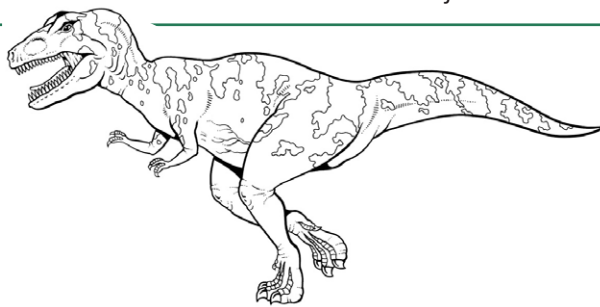
5 Design challenge

Look at this picture of a Minmi dinosaur. Can you create three extra features that would have helped it to protect itself more? (For example, sharper teeth) Make sure you label each feature and say why you have added it.



NAME _____

First Facts Beast-like Dinosaurs



- 1** Read the information about the four beast-like dinosaurs that are featured.

Which one do you think was the most dangerous? _____

What features does it have that makes you think this? _____

- 2** Use the beast-like dinosaurs book to help you finish these sentences;

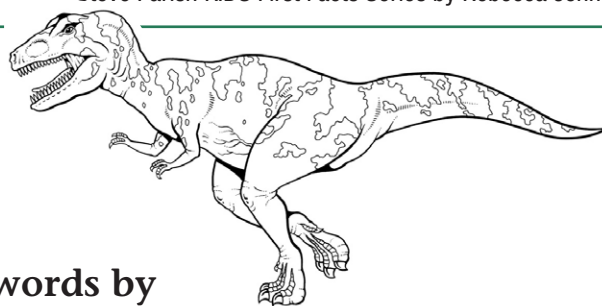
- a.** Beast-like dinosaurs ate _____.
- b.** Tyrannosaurus Rex could run at _____ over short distances.
- c.** Velociraptor used its curved claw to _____.
- d.** Spinosaurus had spines on its back that were _____ high.
- e.** Allosaurus had teeth that were _____ long.
- f.** Velociraptor liked to hunt in _____.
- g.** Beast-like dinosaurs mainly lived in the _____ period.
- h.** Beast-like dinosaurs lived on every _____ in the world.

- 3** Find the facts:

- a.** Which was the heaviest beast-like dinosaur featured? _____
- b.** Which species was only found in Asia? _____
- c.** Which was the largest beast-like dinosaur featured? _____
- d.** Which species was smaller than a man? _____
- e.** Which species had large spines? _____
- f.** What are two things in common with all of the beast-like dinosaurs, apart from their sharp teeth? _____ and _____
- g.** Which two species were around the same weight? _____

NAME _____

First Facts Beast-like Dinosaurs



- 4 Can you come up with twenty new words by using the letters in TYRANNOSAURUS REX?

| | | | |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

- 5 Circle the names of the beast-like Dinosaurs in the wordfind.
There are six to find.

P D G M F H Y G N O N J S W Y V S N C S
E M A I G A J P X B O P U M X M L D U J
A L R K G Z K I G X K I H P Z X X R V R
B Y L E Y Q Q Q N F E S C L E I U I M M
S I S Y H P O L E O C V Y I T A O R U T
Q B Z U V S A K S A E F N F S Q P S G Y
Z D J L H X U D E L O I O O M U J I V R
Y Q R P E M T R O R M V N F V V A Q P A
W D D S S J K C U M D I I B Q D K Z U N
Y H K N B J I E P A P C E R N C R I T N
Z Z B A D R P A V S T Y D W A K K D W O
X Q N N A W E X P C M O L C N P L W A S
L F K P B P D P X B A N N P T R T I D A
V T T A L L O S A U R U S R T J S O N U
I O E X K K U R K R N F U U A P X E R R
R L I Y V N K D C L S A F C C C D H P U
N R T M K F M K N W A M L Q G O D W U S
H B G P M X R O Z M V P O W O Z B U U S
Y F O K X I L H X Q A L G I S H H Z Y J
U I L L E P S R O R B C G Y L N M C Z K

~~ALLOSAURUS~~

CARNOTAURUS

COELOPHYSIS

DEINONYCHUS

OVIRAPTOR

SPINOSAURUS

TYRANNOSAURUS

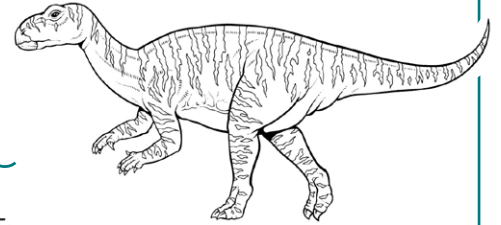
VELOCIRAPTOR

- 6 Look at the picture of the Oviraptor on page 12. Why do you think it had each of these features?

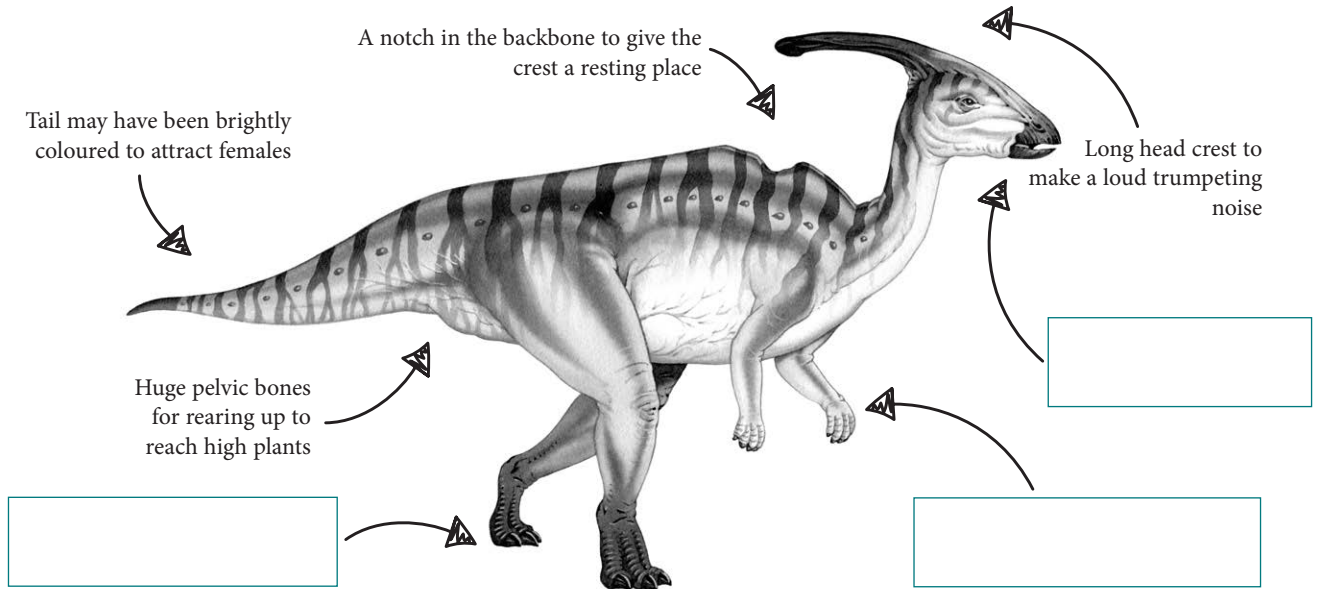
| Feature | Purpose |
|--------------------|---------|
| Long stiff tail | |
| Strong hind legs | |
| Bony plate on head | |
| Feathers | |
| Clawed fingers | |

NAME _____

First Facts Bird-footed Dinosaurs



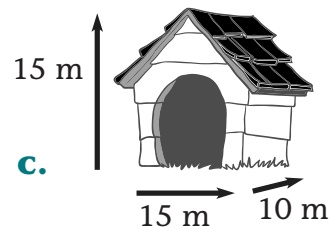
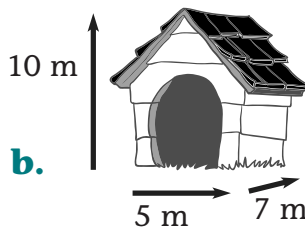
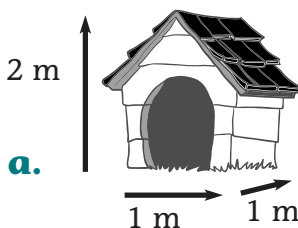
- 1** This diagram already has some labels on it. Can you label the other parts of this dinosaur and say why you think it has this feature?



- 2** Circle **True** or **False**:

- | | | |
|--|------|-------|
| a. All bird-footed dinosaurs were the same size | True | False |
| b. Bird-footed dinosaurs could walk on 2 legs | True | False |
| c. Bird-footed dinosaurs were carnivores | True | False |
| d. Bird-footed dinosaurs usually lived in herds | True | False |
| e. Bird-footed dinosaurs had very sharp teeth | True | False |
| f. Bird-footed dinosaurs were only found in Australia, Asia and North America. | True | False |

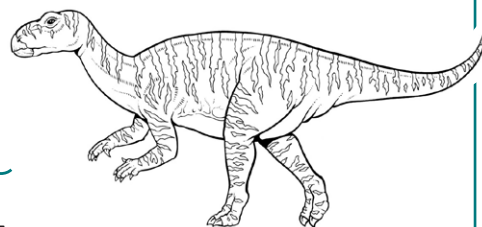
- 3** If Tom was building a shelter for his pet **Iguanodon**, which one do you think would suit him best and why?



I would choose shelter _____
because _____

NAME _____

First Facts Bird-footed Dinosaurs



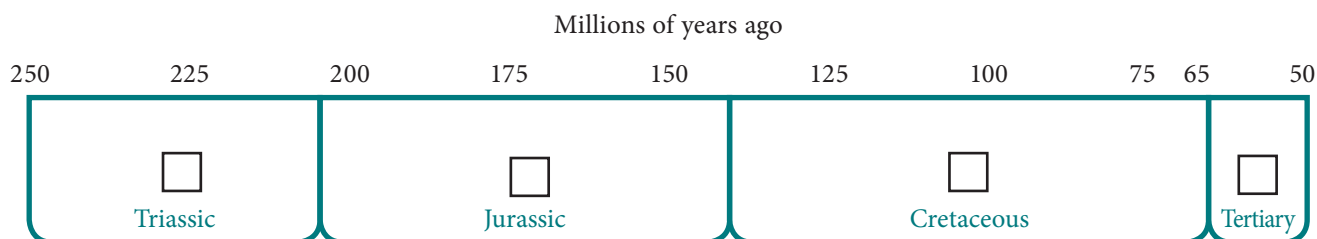
4 Use the bird-footed dinosaurs book to help you complete the sentences:

- Bird-footed dinosaurs walked on _____ legs.
- Bird-footed dinosaurs ate _____.
- Bird-footed dinosaurs were _____ blooded.
- Bird-footed dinosaurs had horny _____.
- Bird-footed dinosaurs laid _____.

5 Complete this statement:

All bird-footed dinosaurs _____ and _____.

6 Look at the timelines in the book. Tick the periods in which bird-footed dinosaurs lived:

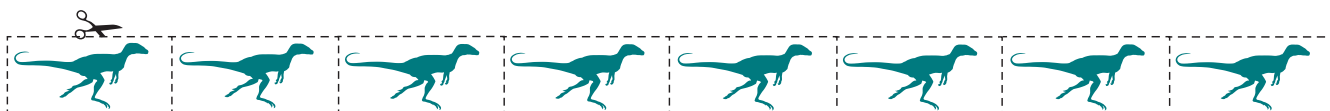


NAME _____

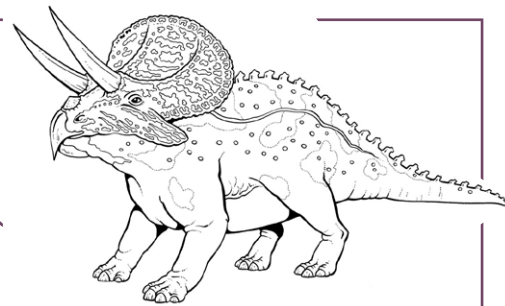
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7 Look at the size of the Iguanodon compared to the Lesothosaurus on page 8.

How many little dinosaurs do you think would have to stand on top of each other to reach the height of the bigger? Before you cut and test them, what is your estimate? _____ What was the result? _____



First Facts Horn-faced Dinosaurs



- 1** Use the flow chart on page 7 to help you answer these questions:
- a.** Which two other groups of dinosaurs were most closely matched to horn-faced dinosaurs? _____ and _____
 - b.** Were Ceratopsia bird-hipped or lizard-hipped? _____
 - c.** Which other group did horn-faced dinosaurs belong to, along with bird-footed and thick-headed dinosaurs? _____
 - d.** What are the two groups of dinosaurs? _____

- 2** Cross out the incorrect answer to make these statements correct. Use the book to check your facts.

- a.** Horn-faced dinosaurs **did/did not** lay eggs
- b.** Horn-faced dinosaurs **did/did not** all walk on 4 legs
- c.** Horn-faced dinosaurs all weighed **over/under** 100 kg.
- d.** A Psittacosaurus fossil was one of the **smallest/largest** dinosaurs ever found
- e.** Horn-faced dinosaurs **lived/did not live** in the Triassic period

- 3** Many horn-faced dinosaurs had bony frills around their necks. What do you think this was for? _____
- _____

Do you think the frill could have ever caused them problems? _____

What could be a problem? _____

- 4** Can you see a pattern relating to where these dinosaurs were found? Do you think they liked to live cold places or hot places? _____
- _____

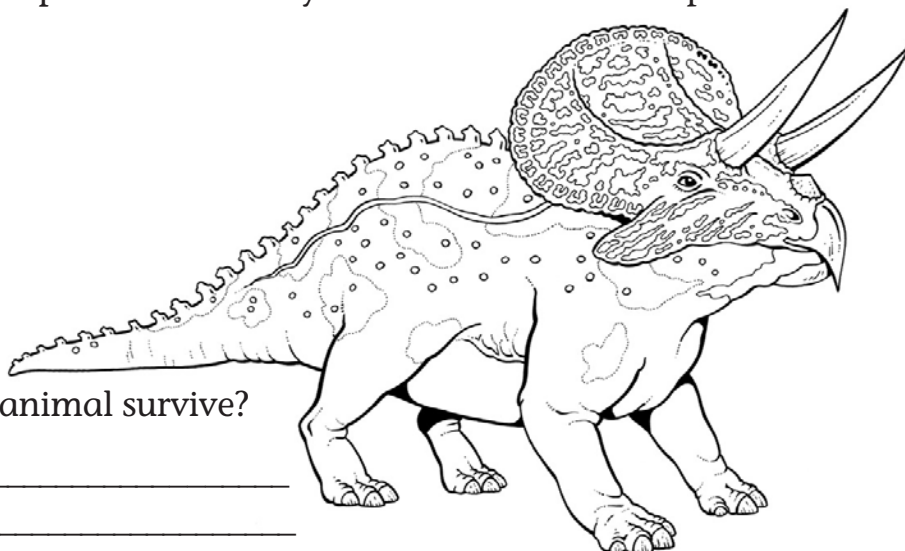
NAME _____

First Facts Horn-faced Dinosaurs

5 Design challenge

Nobody actually knows for sure what colour dinosaurs were. Colour the picture of the Zuniceratops in the colours you think would best help it to survive.

Why did you choose those colours? How would they help the animal survive?



6 Battle of the horn-faces!

Imagine two of the featured Horn-faced dinosaurs got into an argument. Which two would you choose?

vs.

Who do you think might win?

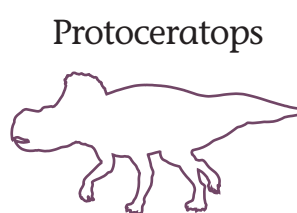
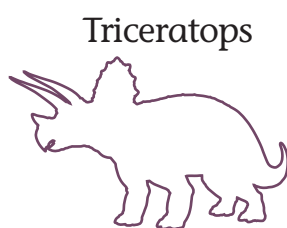
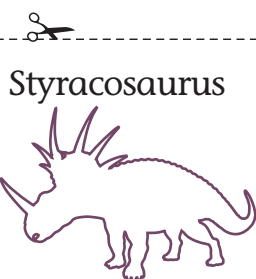
Why? Give as many reasons as you can, by looking at the features they have and how they might use them.

NAME

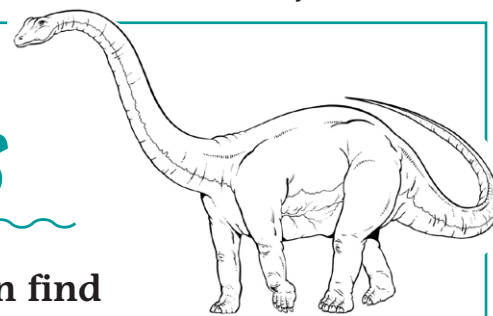
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7

Cut and paste these dinosaurs and put them in order from smallest to largest. You will need to compare their sizes in the book.



First Facts Lizard-footed Dinosaurs



- 1** Read this article and circle any words you can find that are synonyms for the word '**large**'. There are 6 to find.

Scientists have found the world's **biggest** dinosaur footprints in Western Australia! The **giant** sauropod's prints measure a **whopping** 1.7 metres.

The footprints were found on the north-western coast of Western Australia, where the **enormous** animals were believed to have travelled up and down the vast coastline.

- 2** Unscramble each of the clue words that are a characteristic of lizard-footed dinosaurs. Copy the letters in the numbered cells to the mystery word cells with the same number, and reveal another name for lizard-footed dinosaurs.

GOLN

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8

GEG LYRSAE

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MYSTERY WORD

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8

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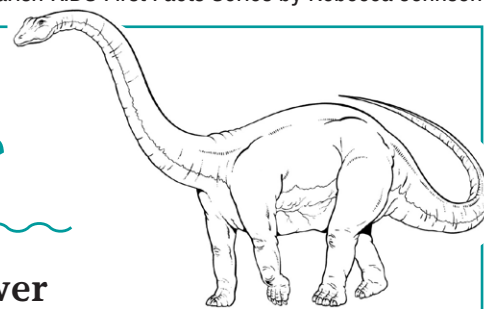
8

- 3** Unjumble the letters to reveal the Lizard-footed dinosaur name

| | | |
|------------|-------------|-----------------|
| uslopiddoc | aupatussora | onegratnisuuars |
| | | |

NAME

First Facts Lizard-footed Dinosaurs



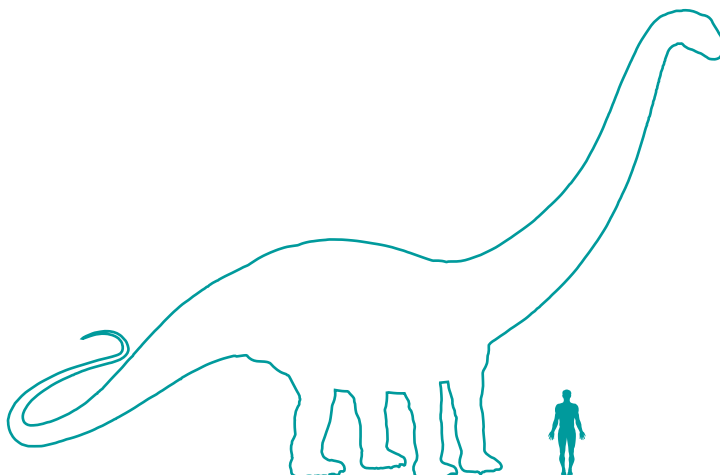
4 Use the lizard-footed dinosaur book to answer these questions:

- a. Which was the longest sauropod featured?
- b. How many legs did sauropods walk on?
- c. What did sauropods eat?
- d. Which was the heaviest sauropod featured?
- e. How many continents did sauropods live on?
- f. Which sauropod featured was the last to become extinct?

5 Which is heavier? Colour the correct box

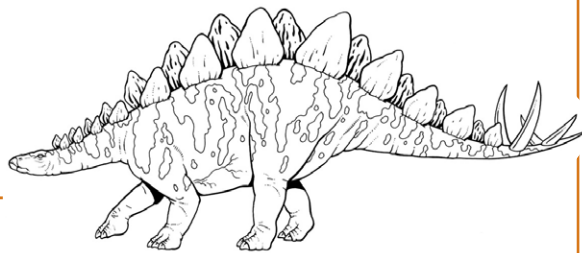
| | |
|---------------------------------------|--------------------|
| a 9 tonne school bus | a diplodocus |
| a D11 bulldozer (104 tonne) | a Brachiosaurus |
| a four axle train engine (125 tonne) | an Apatosaurus |
| 11 huge male elephants (7 tonne each) | an Argentinosaurus |

6 **Design challenge.** Do you like the idea of riding a huge lizard-footed dinosaur? Draw the things you might need on this Apatosaurus. Don't forget to think about how you are going to get on and off and steer it!



NAME

First Facts Plated Dinosaurs



5 Circle **True** or **False**:

- | | |
|---|------------|
| a. Plated dinosaurs could run very fast | True False |
| b. Plated dinosaurs used their spikes and plates for protection | True False |
| c. Plated dinosaurs ate plants | True False |
| d. Plated dinosaurs lived by themselves | True False |
| e. Plated dinosaurs often had spikes on their tails | True False |

6 Things to consider....

Look at the picture on page 11. How do you think being in a group helped them to protect themselves from predators?

7 Some of the plated dinosaurs had very large spikes on their shoulders. Can you think of one advantage and one disadvantage of these spikes?

| Advantage | Disadvantage |
|-----------|--------------|
| | |

8 Design challenge....

Look at the stegosaurus on page 14. There are lots of labels that relate to size, for example, small head with small teeth. Are you able to find all the words relating to size and draw the opposite on a new type of stegasaurus?

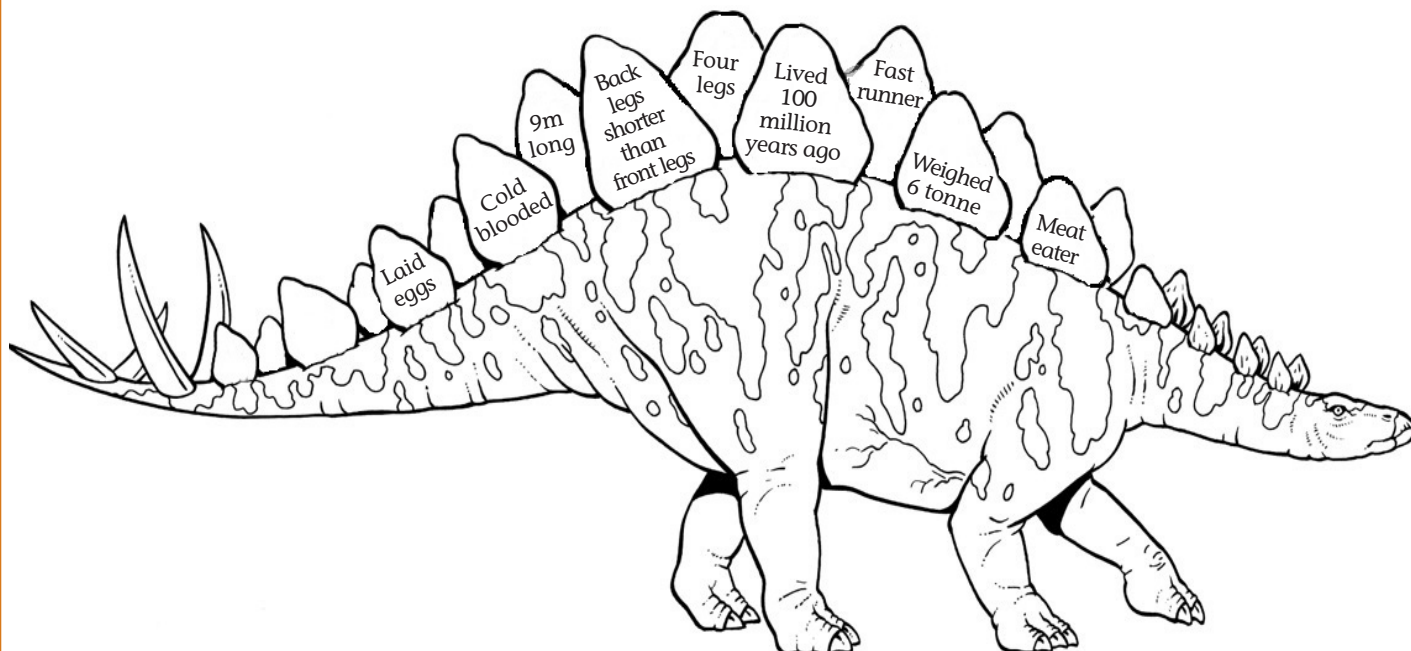
Opposite words to small

NAME

First Facts Plated Dinosaurs

1

Colour the plates on the stegosaur's back that have correct facts about plated dinosaurs in them blue, and the incorrect facts in another colour.



2

Compare and contrast

Look at the dinosaurs on pages 18 to 20. Find three things that are the same about all of them, and three things that are different:

| Common features | Different features |
|-----------------|--------------------|
| • | • |
| • | • |
| • | • |

3

Were there more plated dinosaurs in the Jurassic period or the cretaceous period?

4

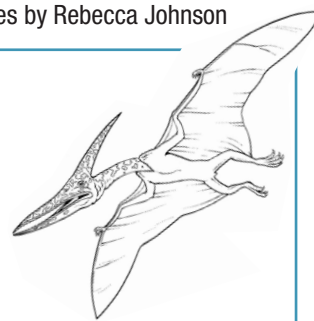
Make this statement correct by filling in the blanks.

All plated dinosaurs _____ and

_____.

NAME

First Facts Prehistoric Flying & Marine Reptiles



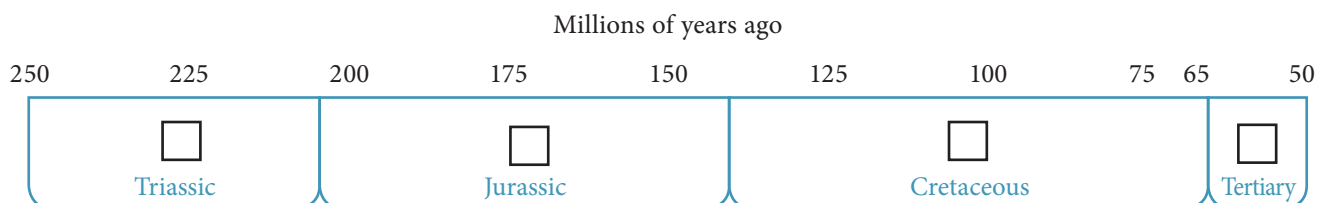
1 Compare and contrast the featured prehistoric marine reptiles from pages 9-13 to answer these:

- Which was the last of the four to become extinct? _____
- Which of the four was the longest? _____
- Which prehistoric marine reptile was a really fast swimmer? _____
- Which prehistoric marine reptile had fins on their backs? _____
- How did all of the prehistoric marine reptiles move through the water? _____
- How did they all breathe? _____

2 Look at the prehistoric flying reptiles on pages 17 to 21. Find three things that are the same about all of them, and three things that are different:

| Common features | Different features |
|-----------------|--------------------|
| | |
| | |
| | |

3 Look at the timelines in the book. Tick the periods in which prehistoric marine and flying reptiles lived.

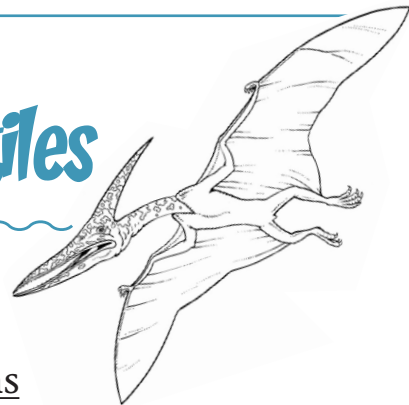


4 Give five reasons why marine and flying reptiles were not dinosaurs?

- _____
- _____
- _____
- _____
- _____

NAME _____

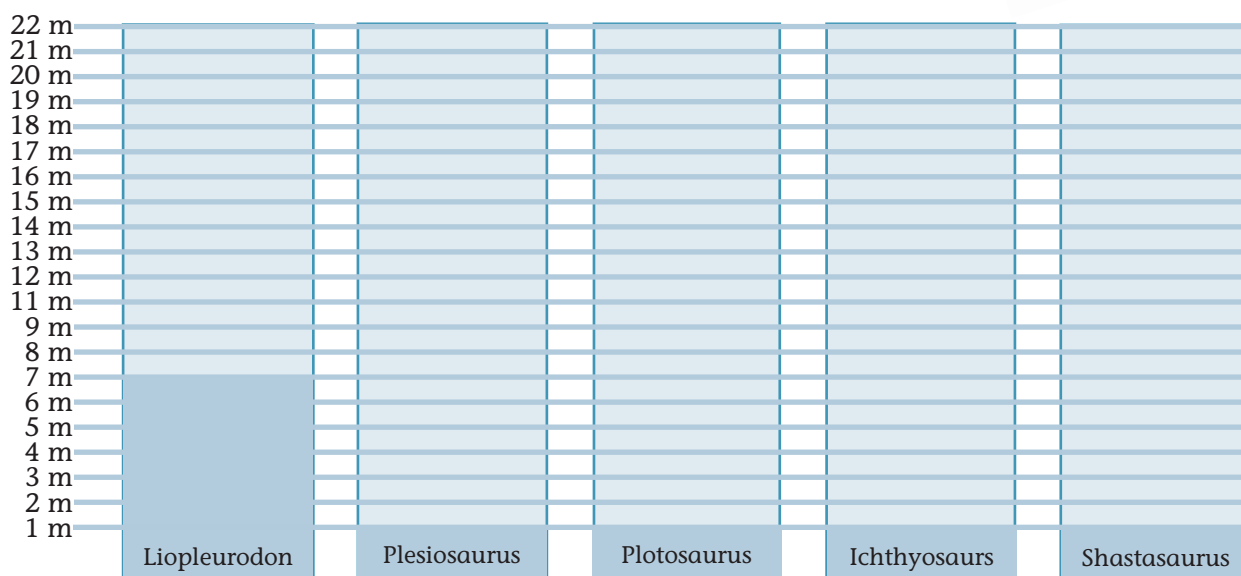
First Facts Prehistoric Flying & Marine Reptiles



5

Graphing: Use the book to complete the graph below. The first one has been done for you.

Comparison of Plesiosaurs Lengths



6

Which prehistoric marine reptile was three times longer than another? Use the graph to help you work it out.

- a. Liopleurodon
- b. Plesiosaurus
- c. Plotosaurus
- d. Ichthyosaurs
- e. Shastasaurus

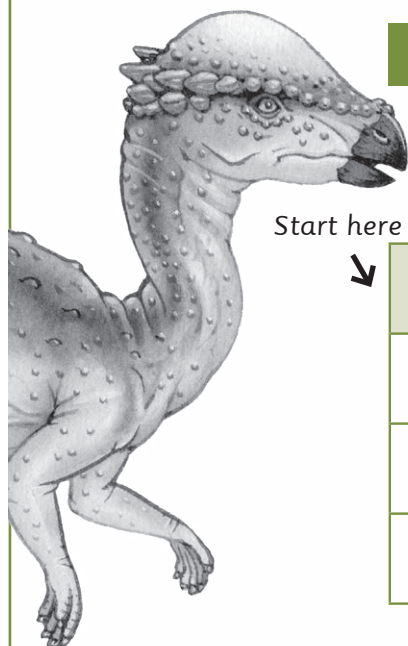
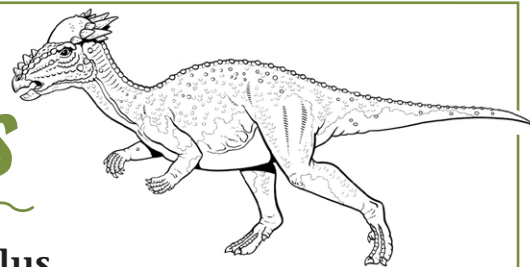
7

Design challenge

Do you like fishing? Design the ultimate fishing rod to catch a prehistoric marine reptile. You need to think about what bait you might use, and how you are going to haul it in!

NAME

First Facts Thick-headed Dinosaurs

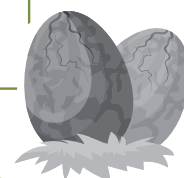


1 Help the mother Acrotholus get to her eggs. Shade the boxes that have thick-headed dinosaur characteristics. Each box you shade must touch another.

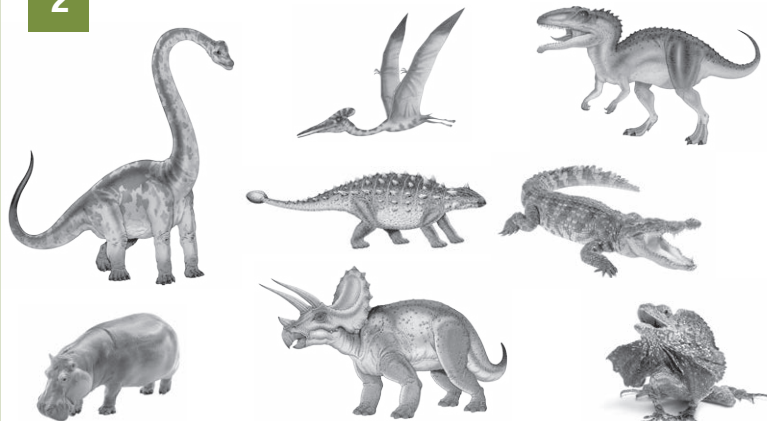
Start here



| | | | |
|--------------------|-------------------|-----------------------|----------------|
| were bird-hipped | cold blooded | walked on 4 legs | had soft lips |
| were lizard hipped | warm blooded | walked on 2 legs | had live young |
| were meat eaters | were plant eaters | could fly | were mammals |
| had fur | lived in the sea | mainly lived in herds | laid eggs |



2 Circle the dinosaurs



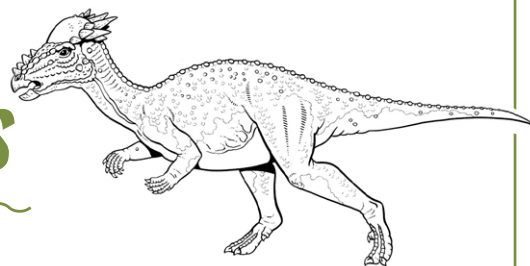
3 Why do you think thick-headed dinosaurs had very thick skulls?

4 Look at the picture of Wannanosaurus on page 16. Why do you think it had each of these features?

| Feature | Purpose |
|------------------------------------|---------|
| Heavy tail which stuck out stiffly | |
| Strong hind legs | |
| Small flat head | |
| Sharp teeth | |
| Clawed fingers | |

NAME

First Facts Thick-headed Dinosaurs



5 Compare and contrast the dinosaurs from pages 14 to 21 to answer these questions:

- a. Which was the heaviest thick-headed dinosaur featured?
- b. Which species lived in Asia?
- c. Which was the smallest Thick-headed dinosaur featured?
- d. Which species was bigger than a man?
- e. Which species appeared to have feathers?
- f. What are two things in common with all of the Thick-headed dinosaurs, apart from their thick heads?
- g. Which two species were around the same length?

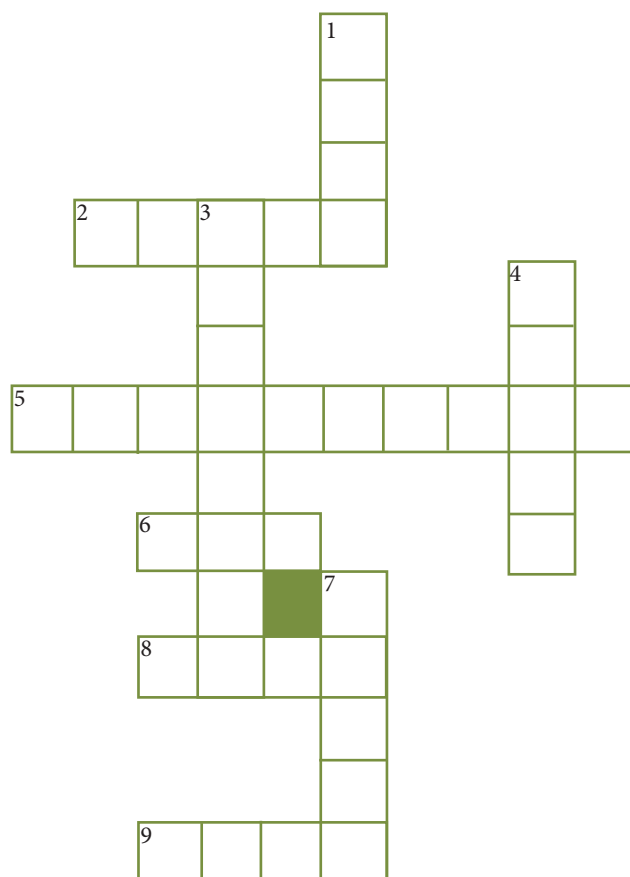
6 Complete this crossword using the Thick-headed Dinosaurs book to help you.

Across

2. the groups some dinosaurs lived in
5. the period Thick-headed dinosaurs lived in.
6. dinosaurs could not do this
8. a continent where Thick-headed dinos were found
9. number of legs Thick-headed dinosaurs had

Down

1. all dinosaurs laid these
3. all dinosaurs belonged to this group
4. the bony case for the brain
7. dinosaurs did not live in w _ _ _ .



NAME