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This book was conceived, designed & produced by
Ivy Kids
58 West Street, Brighton BN1 2RA, United Kingdom

PUBLISHER: David Breuer
MANAGING EDITOR: Susie Behar
ART DIRECTOR: Hanri van Wyk
DESIGNER: Kate Haynes
PROJECT EDITOR: Hannah Dove
ASSISTANT EDITOR: Lucy Menzies
EXTERNAL DESIGNER: Elise Gaignet
EXTERNAL PROJECT EDITOR: Hazel Songhurst

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MY FIRST BOOK OF COMPARISONS

HOW THE WORLD MEASURES UP

WRITTEN BY CLIVE GIFFORD
ILLUSTRATED BY ANA SEIXAS

IVY KIDS

DINO DETECTIVE

Dinosaurs died out millions of years ago. But we have learned what they were like from their fossils. See how these four dinosaur models size up compared to each other and to us humans.

APATOSAURUS was about as long as two triceratops. It was one of the BIGGEST dinosaurs, but its brain was teeny-tiny!

CLUE: *This giant's footprints were the BIGGEST of all the dinosaurs on this page.*

TYRANNOSAURUS REX had a huge head, but tiny arms. It was TALLER than six velociraptors.

CLUE: *This fierce hunter walked on three clawed toes.*

VELOCIRAPTOR was the height of a human adult's waist. It was one of the SMALLEST dinosaurs.

CLUE: *This little dinosaur walked on two toes.*

TRICERATOPS had three large horns on its head. It was about as LONG as a line of seven children.

CLUE: *This horned dinosaur walked on four chunky toes.*

QUICK QUIZ

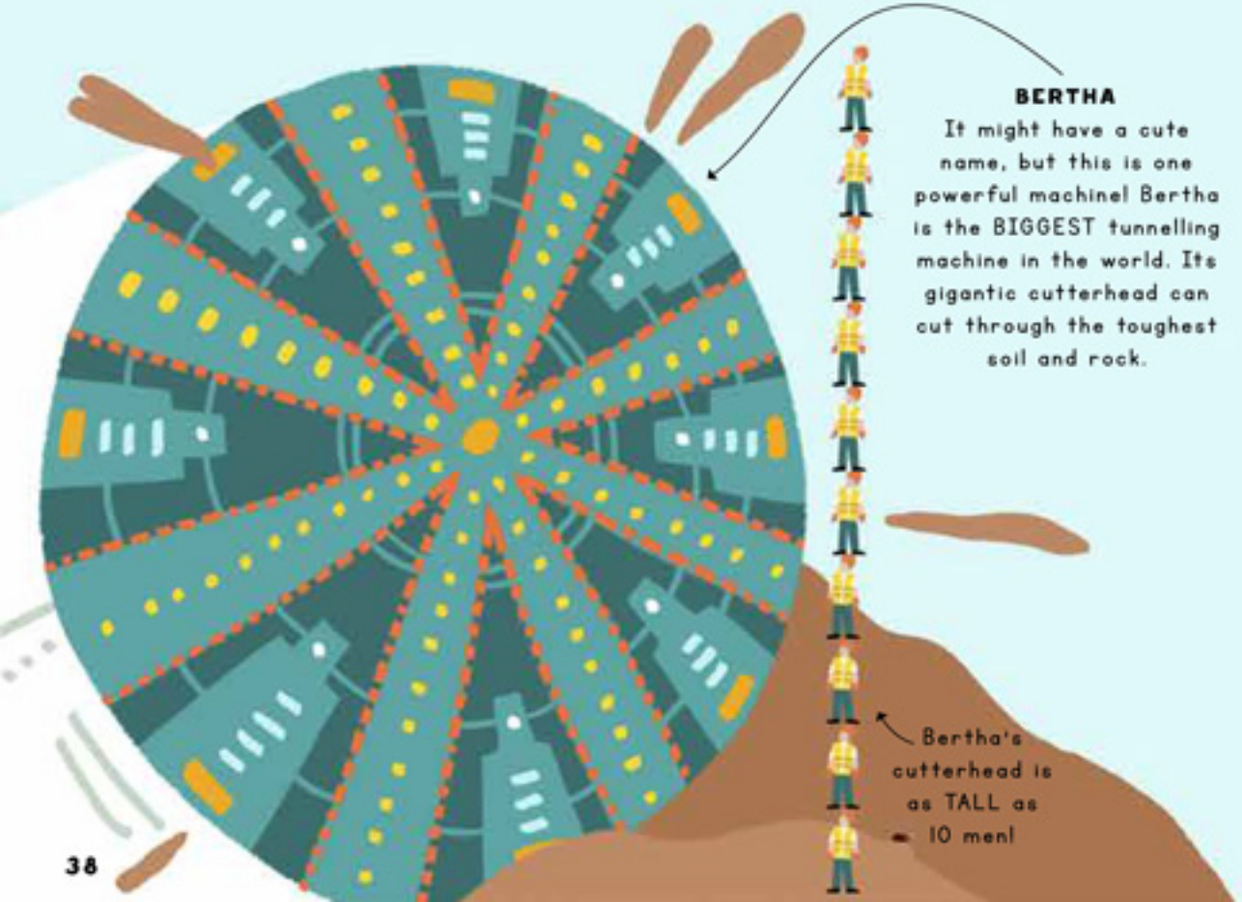
Can you work out which footprint belongs to which dinosaur? Read the clues beside each dinosaur to help you.



The answers are on page 48.

MIGHTY MACHINES

Meet some of the world's BIGGEST-EVER moving machines.
Count how many people high each one measures.



BERTHA
It might have a cute name, but this is one powerful machine! Bertha is the BIGGEST tunnelling machine in the world. Its gigantic cutterhead can cut through the toughest soil and rock.

Bertha's cutterhead is as TALL as 10 men!

NASA CRAWLER-TRANSPORTER
The Crawler is one of the BIGGEST moving machines in the world. It was built to transport space shuttles and rockets.

There is enough space on top of the Crawler to carry 20 Big Bud tractors!

This mighty machine is as TALL as five women.

BIG BUD 747
Big Bud is the world's BIGGEST farm tractor. Its job was to pull a plough that broke up hard soil. Today, it is kept in a museum where people can admire its gigantic size.

Big Bud's wheels are TALLER than a man!

BIG BUGS

Wow! These bugs are the same size on the page as they are in real life. How many TEENY ladybirds does each bug measure? Count them up to find out.

SEVEN-SPOTTED LADYBIRD
A ladybird is just 1 cm long.

BLACK ANT
This ant is half the size of a ladybird.

RED KNEE TARANTULA
This giant furry spider digs a burrow in forest soil for its home. It may live as LONG as 30 years.

JAPANESE RHINOCEROS BEETLE
Can you see the horn growing from this beetle's head? It uses this like a weapon to fight other beetles.

It takes eight little ladybirds to reach this beetle's length.

This spider is as LONG as 10 ladybirds.

GIANT DARNER DRAGONFLY
The giant darner is the BIGGEST dragonfly in North America. It takes 13 ladybirds to equal its wingspan.

The dragonfly's four wings help it to hover so it can hunt and eat in mid-air!

HICKORY HORNED DEVIL CATERPILLAR
This spiny caterpillar is about the same length as a hot dog! It looks scary, but only eats tree leaves.

QUICK QUIZ
Can you count how many ladybirds equal the length of the hickory horned devil caterpillar?

Turn to page 48 to check your answer.