

Can You Outrun a Dino?

Introduction:

Hey teachers! Here are the instructions for facilitating the “Can You Outrun a Dino” activity.

If you book the “What Do Fossils Tell Us” program as an On-Grounds Field Trip, we’ll be doing this activity when you bring your kiddos to the museum. But, if you book the program as a Virtual Field Trip, you’ll want to download this fun activity so you can do it in your classroom.

Step 1: The Kids Measure Their Legs

Put your students in pairs. Taking turns, have one of them sit on the floor with their legs out in front of them. Have the other student measure the sitting student’s legs – from heel to end of their booty.

Step 2: The Kids Find the Dino They Will Race

Their worksheet shows them the four different dinosaur options. Each kiddo will pick the dino that has the same length of legs as they do, or a little shorter.

Step 3: The Kids Race

Go to an open area, like a gym or outside. The kids will be running a certain number of steps, but not jumping. Depending on the size of your room, you can choose between five and ten steps.

Put all the kids racing the smallest dinosaur (Veelo) in a straight line, with the other kids watching. When you say go, they’ll race forward – only taking the number of steps that you told them. They should freeze at their last step.

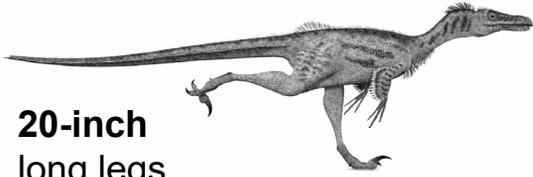
Step 4: You Race For the Dino

Use the print outs in this document to create the dinosaur steps. Each dino has a left and right footprint; it also tells you how much string to tie between them. The string distance is longer than the step size to make up for the location of the hole in the paper. Choose the footprint for the smallest dino (Veelo) and, with a student helper, walk out the same number of steps the kids took. Anyone who moved less distance than the dinosaur would have been eaten. Repeat for the other dinosaurs.

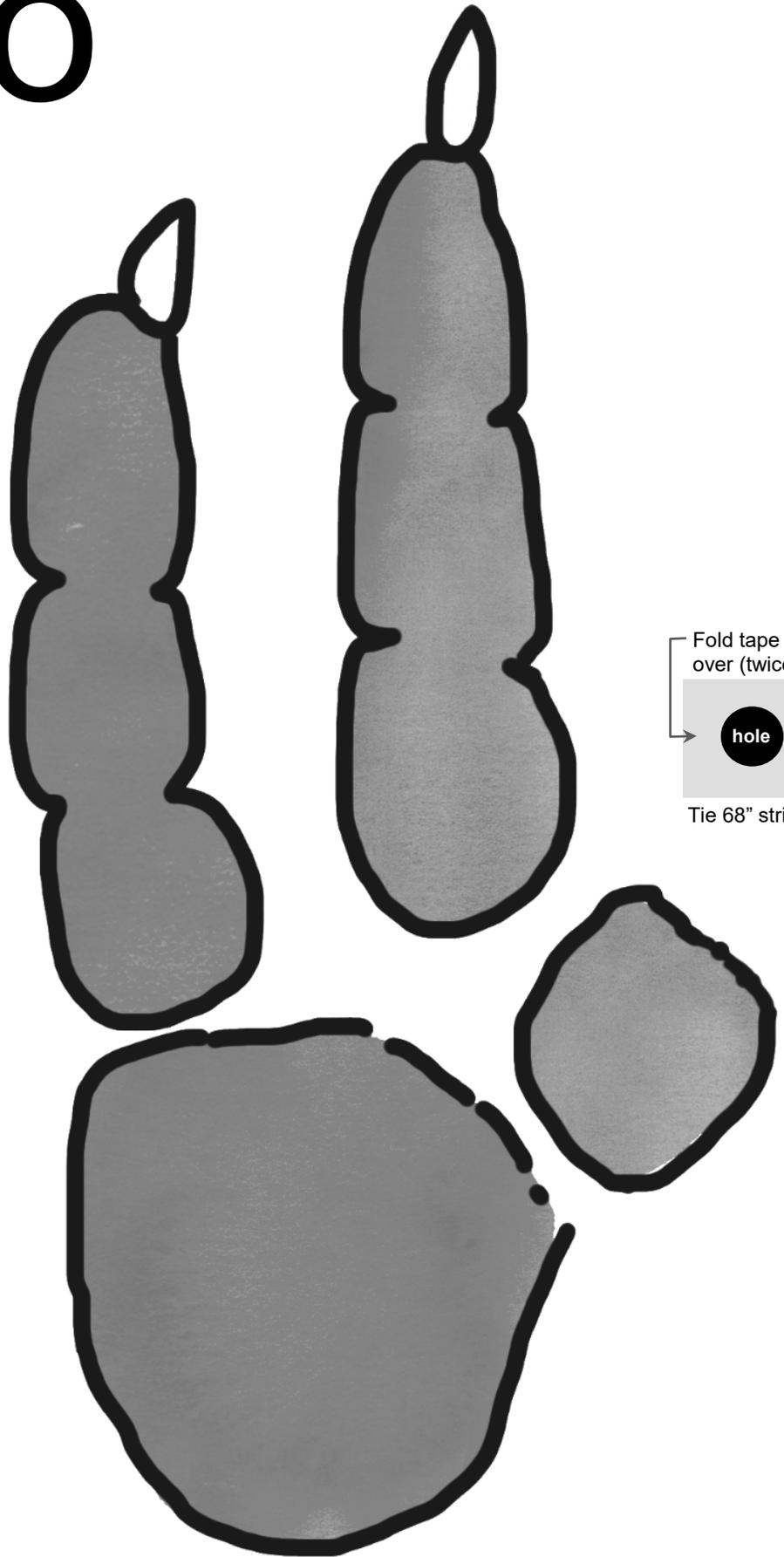


VeeLo

(*Velociraptor*)



20-inch
long legs



Fold tape
over (twice)

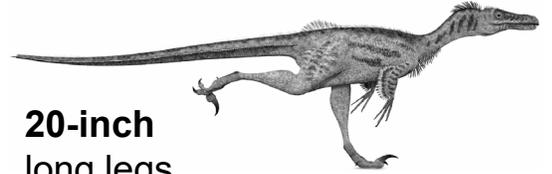
hole

Tie 68" string

60-inch
running step

VeeLo

(Velociraptor)

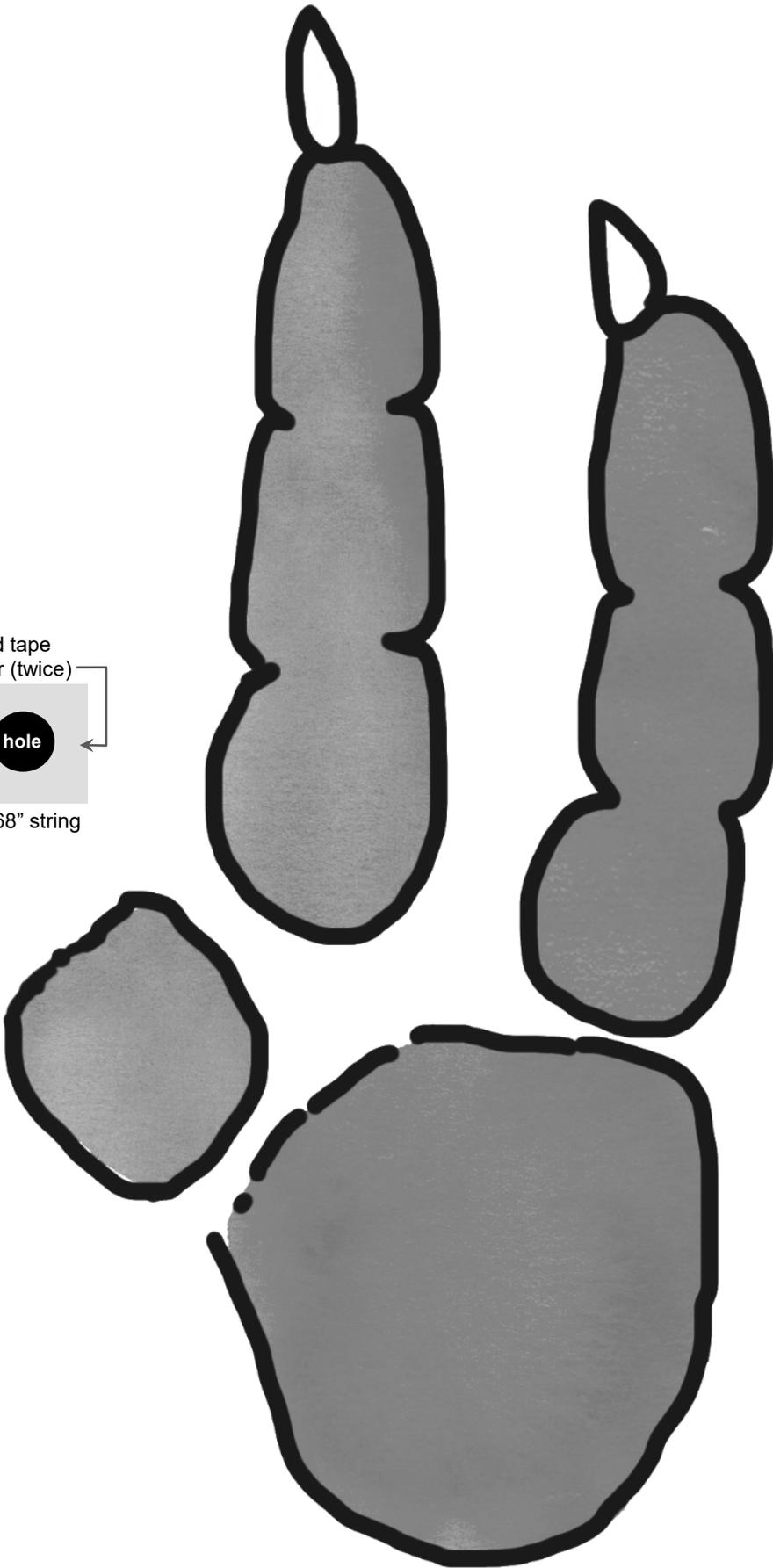


20-inch
long legs

Fold tape
over (twice)

hole

Tie 68" string



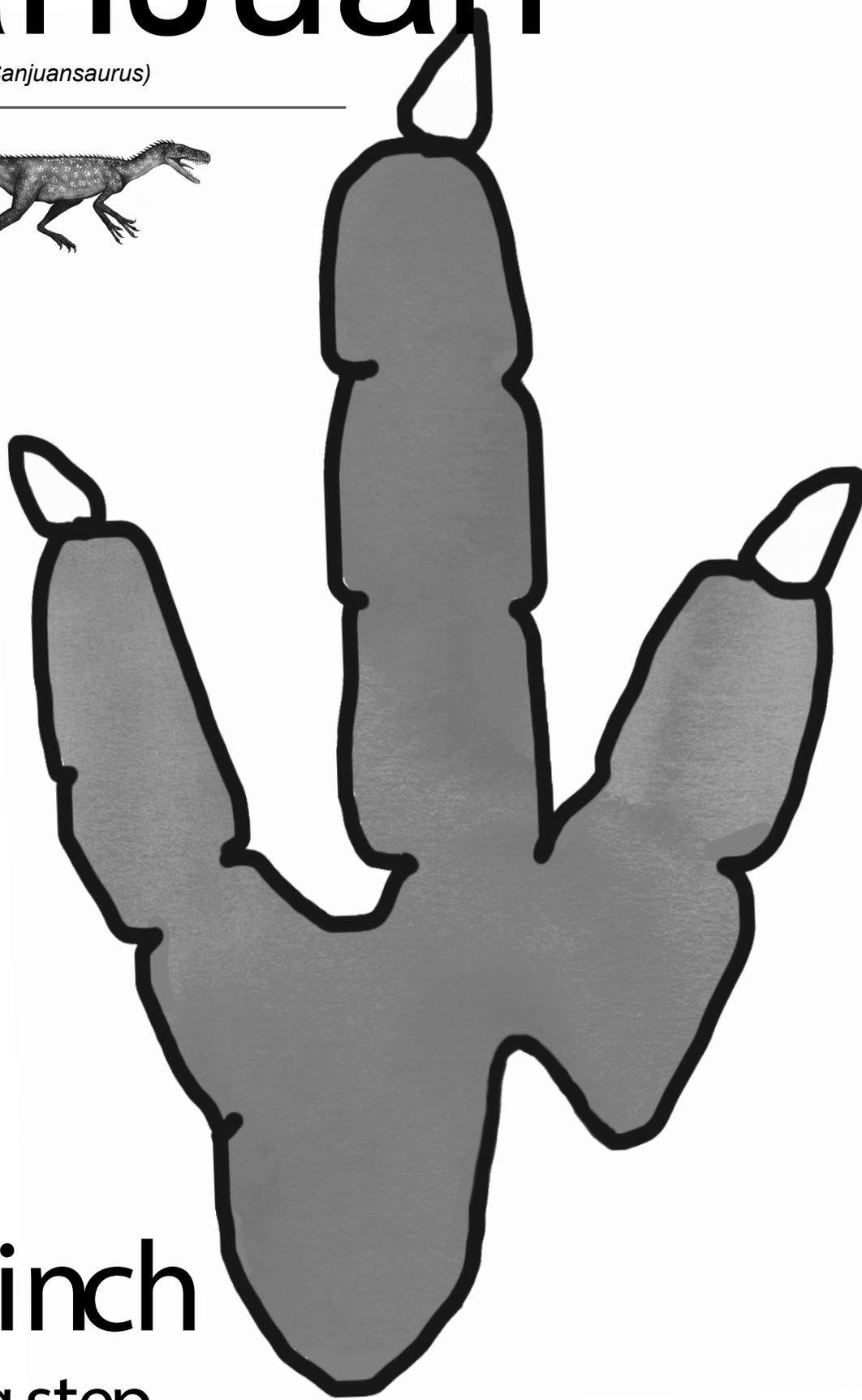
60-inch
running step

SanJuan

(*Sanjuansaurus*)



25-inch
long legs



Fold tape
over (twice)

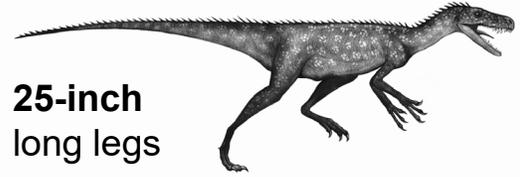
hole

Tie 68" string

60-inch
running step

SanJua

(*Sanjuansaurus*)



25-inch
long legs

Fold tape
over (twice)

hole

Tie 68" string



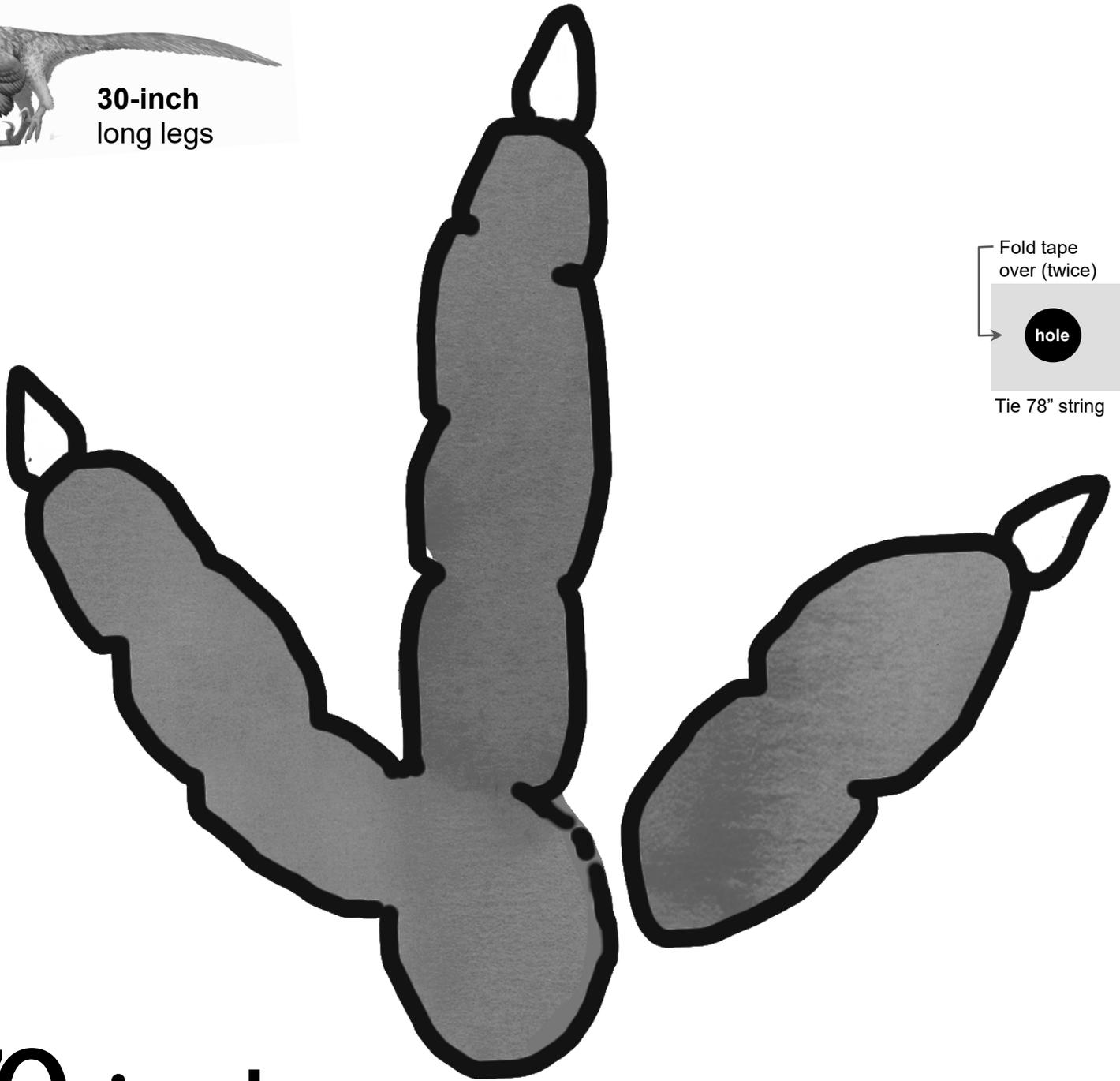
60-inch
running step

DeeNo

(Deinonychus)



30-inch
long legs



Fold tape
over (twice)

hole

Tie 78" string

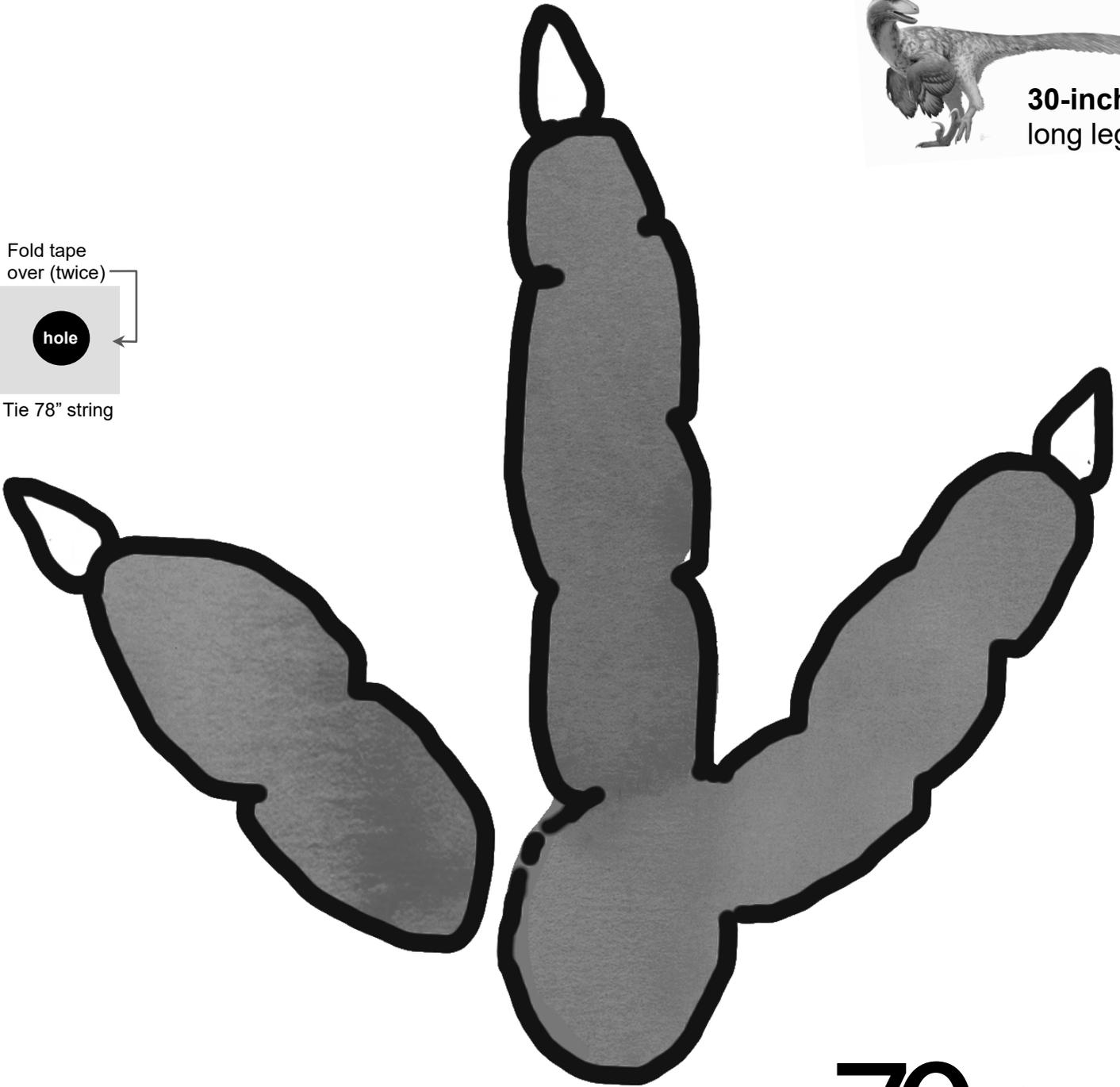
70-inch
running step

DeeNo

(Deinonychus)



30-inch
long legs



Fold tape
over (twice)

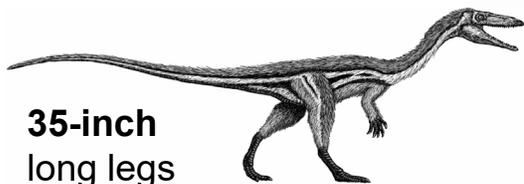
hole

Tie 78" string

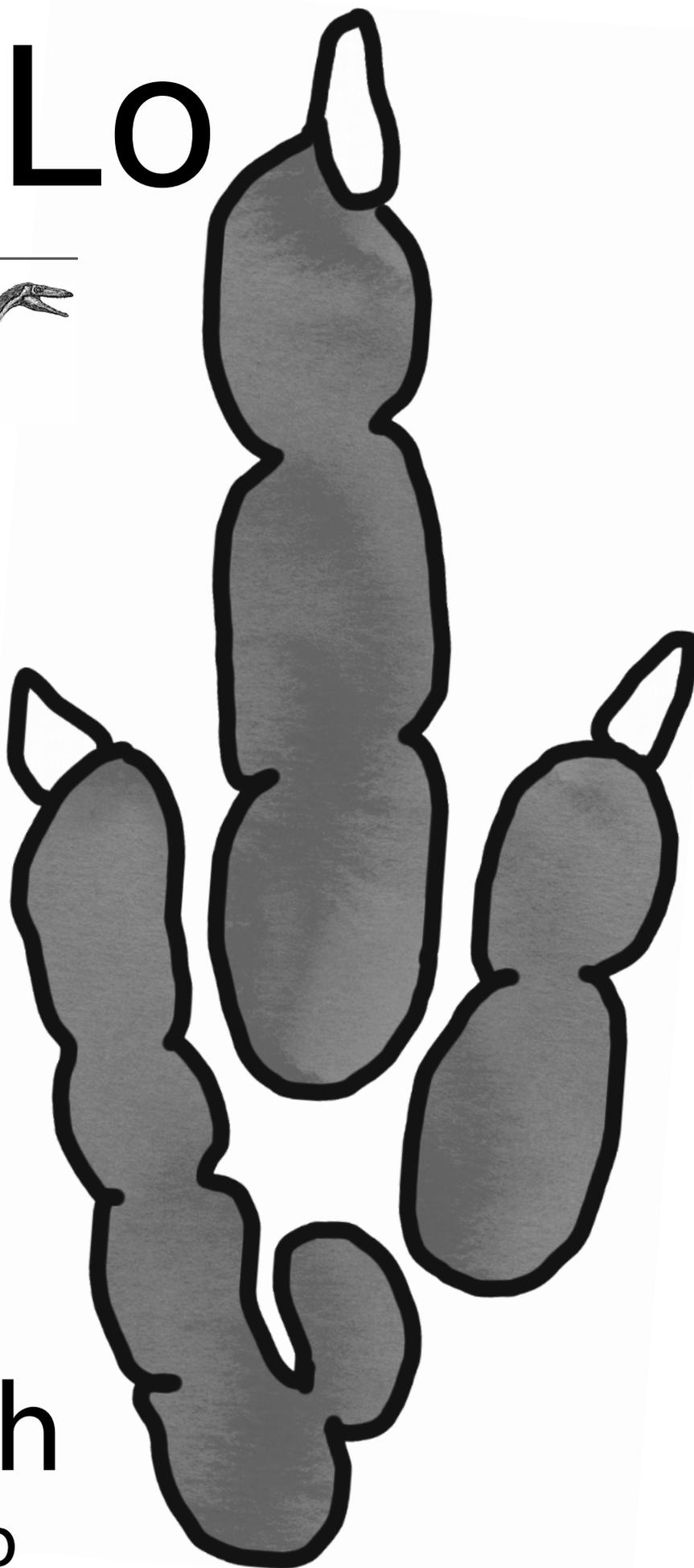
70-inch
running step

CeeLo

(*Coelophysis*)



35-inch
long legs



Fold tape
over (twice)

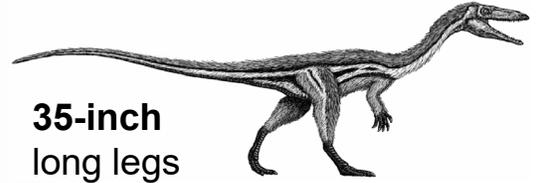
hole

Tie 88" string

80-inch
running step

CeeLo

(Coelophysis)

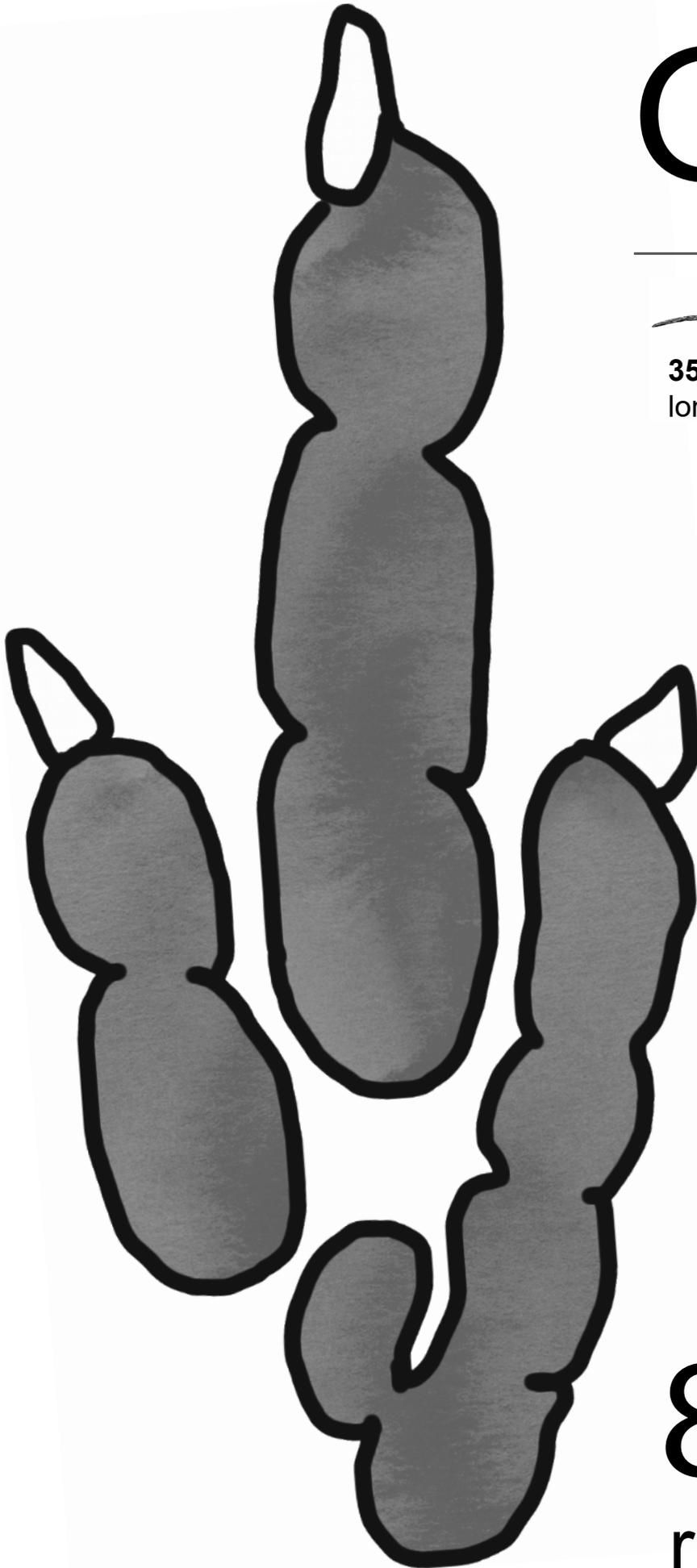


35-inch
long legs

Fold tape
over (twice)

hole

Tie 88" string



80-inch
running step