

Name _____

Date _____

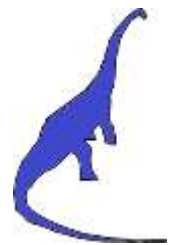


PROBLEM SOLVING: DINOSAUR LENGTH (STANDARD)

Here are a range of dinosaurs from the Jurassic and Cretaceous period.

Dinosaur	Length (ft)	Nearest 10 ft	Order of length
Ankylosaurus	23	20	
Austrosaurus	49		
Brachiosaurus	98		1
Diplodocus	85		
Spinosaurus	59		
Stegosaurus	30		
Tyrannosaurus	39		

- 1) Diplodocus is 46 ft longer than Tyrannosaurus. Fill in the length on the table for Diplodocus.
- 2) Round each of the lengths to the nearest 10 ft. Fill in the results on the table.
- 3) Put the dinosaurs in order of length with 1 being the longest and 7 being the shortest dinosaur.
- 4) How much longer is Brachiosaurus than Stegosaurus? _____ ft
- 5) How much shorter is Austrosaurus than Diplodocus? _____ ft
- 6) Tyger says "If you put the 3 shortest dinosaurs end-to-end, their length would not be as long as Brachiosaurus." Is he correct? _____
- 7) Tyger says "Diplodocus is longer than 3 Stegosauruses put together." Is he correct? _____





PROBLEM SOLVING: DINOSAUR LENGTH STANDARD ANSWERS

Dinosaur	Length (ft)	Nearest 10 ft	Order of length
Ankylosaurus	23	20	7
Austrosaurus	49	50	4
Brachiosaurus	98	100	1
Diplodocus	85	90	2
Spinosaurus	59	60	3
Stegosaurus	30	30	6
Tyrannosaurus	39	40	5

1) Diplodocus is 46 ft longer than Tyrannosaurus. Fill in the length on the table for Diplodocus.

2) Round each of the lengths to the nearest 10 ft.

3) Put the dinosaurs in order of length with 1 being the longest and 7 being the shortest dinosaur.

4) How much longer is Brachiosaurus than Stegosaurus? **68 ft**

5) How much shorter is Austrosaurus than Diplodocus? **36 ft**

6) Tyger says "If you put the 3 shortest dinosaurs end-to-end, their length would not be as long as Brachiosaurus." Is he correct?

Shortest 3 are $23 + 30 + 39 = 92$ ft. Brachiosaurus is 98ft, so he is correct.

7) Tyger says "Diplodocus is longer than 3 Stegosauruses put together." Is he correct? _____

$30 \text{ ft} \times 3 = 90 \text{ ft}$. Diplodocus is 85 ft long, so he is incorrect.

