



## PROBLEM SOLVING - DINOSAUR LENGTH (METRIC)

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

Dinosaur	Length (m)	Nearest 10m	Order of length
Ankylosaurus	7	10	
Austrosaurus	15		
Brachiosaurus	30		1
Diplodocus			
Spinosaurus	18		
Stegosaurus	9		
Tyrannosaurus	12		

- 1) Diplodocus is 14m longer than Tyrannosaurus. Fill in the length on the table for Diplodocus.
- 2) Round each of the lengths to the nearest 10m. 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? \_\_\_\_\_ m
- 5) How much shorter is Austrosaurus than Diplodocus? \_\_\_\_\_ m
- 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? \_\_\_\_\_



Name

Date



## PROBLEM SOLVING - DINOSAUR LENGTH METRIC ANSWERS

Dinosaur	Length (m)	Nearest 10m	Order of length
Ankylosaurus	7	10	7
Austrosaurus	15	20	4
Brachiosaurus	30	30	1
Diplodocus	26	30	2
Spinosaurus	18	20	3
Stegosaurus	9	10	6
Tyrannosaurus	12	10	5

1) Diplodocus is 14m longer than Tyrannosaurus. Fill in the length on the table for Diplodocus.

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

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? **21 m**

5) How much shorter is Austrosaurus than Diplodocus? **11 m**

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  $7 + 9 + 12 = 28\text{m}$ . Brachiosaurus is  $30\text{m}$ , so he is correct.**

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

**$9\text{m} \times 3 = 9\text{m} + 9\text{m} + 9\text{m} = 27\text{m}$ . Diplodocus is  $26\text{m}$  long, so he is incorrect.**

