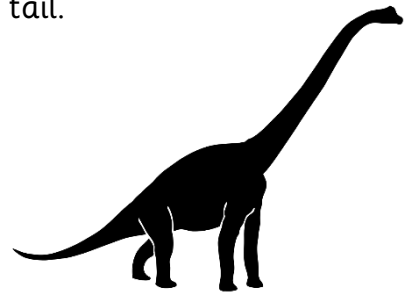


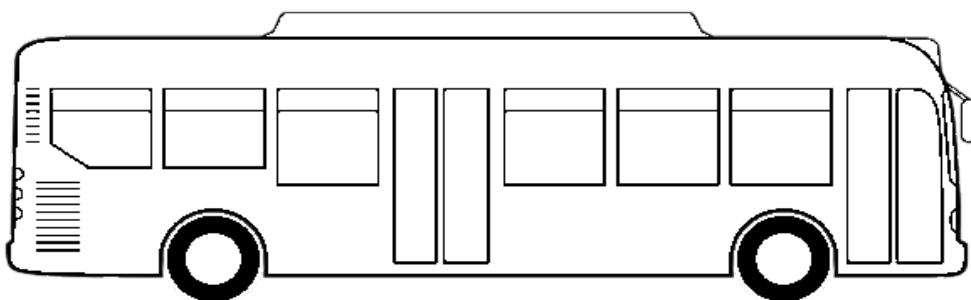
Challenge cards - Operations

The length of the dinosaur is measured from its head to its tail.
The head is 1m in length.
The neck is 12m in length.
The body is 7m shorter than its neck.
The tail is half the length of the neck.

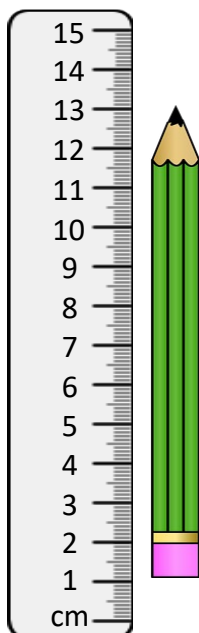


What is the length of the dinosaur from head to tail?

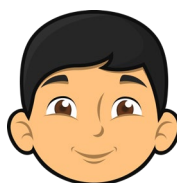
Mo says that the length of the bus is 12m.
Is Mo correct? Explain your answer.



Jess says this pencil is 13cm long.
Is Jess correct?
If not, what mistake might she have made
and what is the correct answer?



Che says,



Twelve 2cm paperclips
joined together will
make a paperclip chain
longer than 22cm

Is Che correct?

Explain how you know.

Answers - Challenge cards - Operations

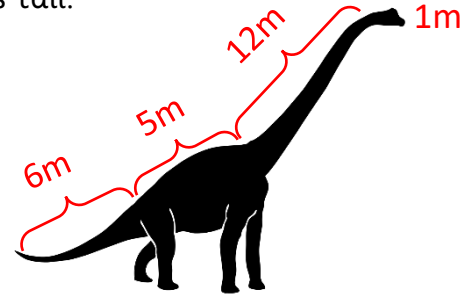
The length of the dinosaur is measured from its head to its tail.

The head is 1m in length.

The neck is 12m in length.

The body is 7m shorter than its neck.

The tail is half the length of the neck.



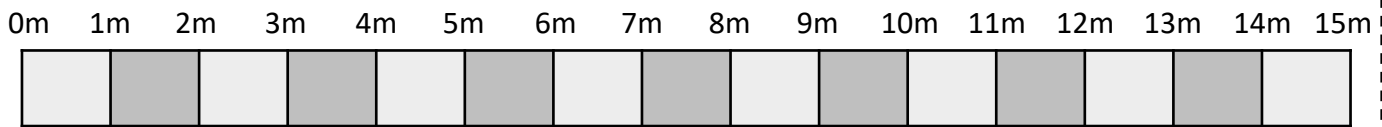
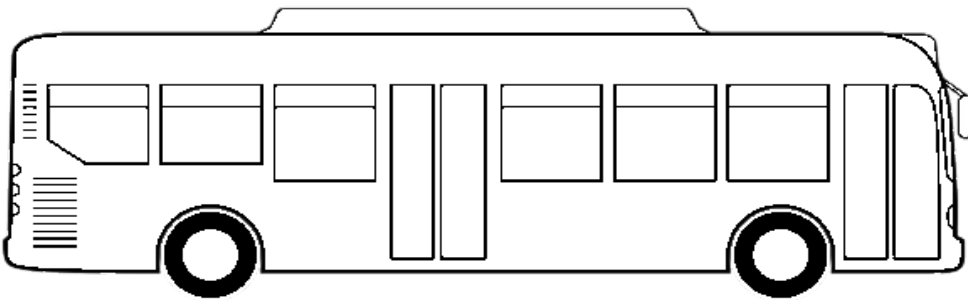
What is the length of the dinosaur from head to tail?

24m as $12\text{m} + 6\text{m} + 5\text{m} + 1\text{m} = 24\text{m}$ (see picture)

Mo says that the length of the bus is 12m.

Is Mo correct? Explain your answer.

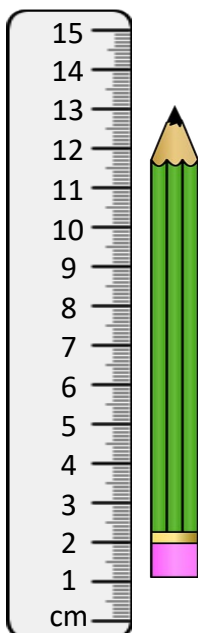
Mo is not correct. The bus is 11m in length when measured from the 0m mark.



Jess says this pencil is 13cm long.

Is Jess correct?

If not, what mistake might she have made and what is the correct answer?



Jess is incorrect. She has not measured from the 0cm line. The pencil is 12cm long.

Che says,



Twelve 2cm paperclips joined together will make a paperclip chain longer than 22cm

Is Che correct?

Explain how you know.

Che is correct.

$12 \times 2\text{cm} = 24\text{cm}$

24cm is longer than 22cm.