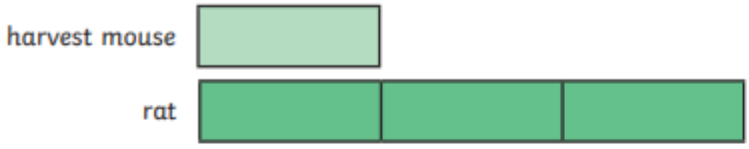
# Scaling challenge

1.

Kiran draws a bar model to compare the lengths of two different animals' tails.




Complete the missing information:

The rat's tail is _____ times longer than the tail of the harvest mouse.

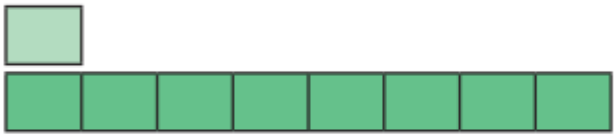
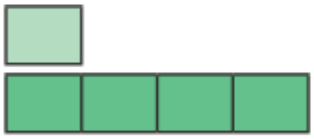
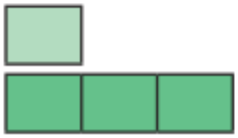
The harvest mouse's tail is 6cm long.

_____ × _____ = _____

The rat's tail is _____ long.

2.

Match each bar model to the facts it represents.

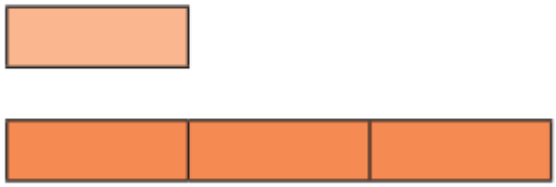
| | |
|---|---|
| Leg length: 12cm<br>Leg length: 96cm |  |
| Mass: 3kg<br>Mass: 12kg |  |
| Height: 8cm<br>Height: 24cm |  |
| Wingspan: 5cm<br>Wingspan: 25cm |  |

3.

An adult giraffe's leg is 3 times as long as a baby giraffe's leg. The adult giraffe's leg is 180cm.

Label and complete the bar model to work out how long a baby giraffe's leg is.

A baby giraffe's leg is _____ long.



4.

A yellow butterfly's wingspan is 4cm. A blue butterfly's wingspan is 5 times as big.

Draw a bar model to represent both wingspans.

Write a calculation to find the wingspan of the blue butterfly. _____

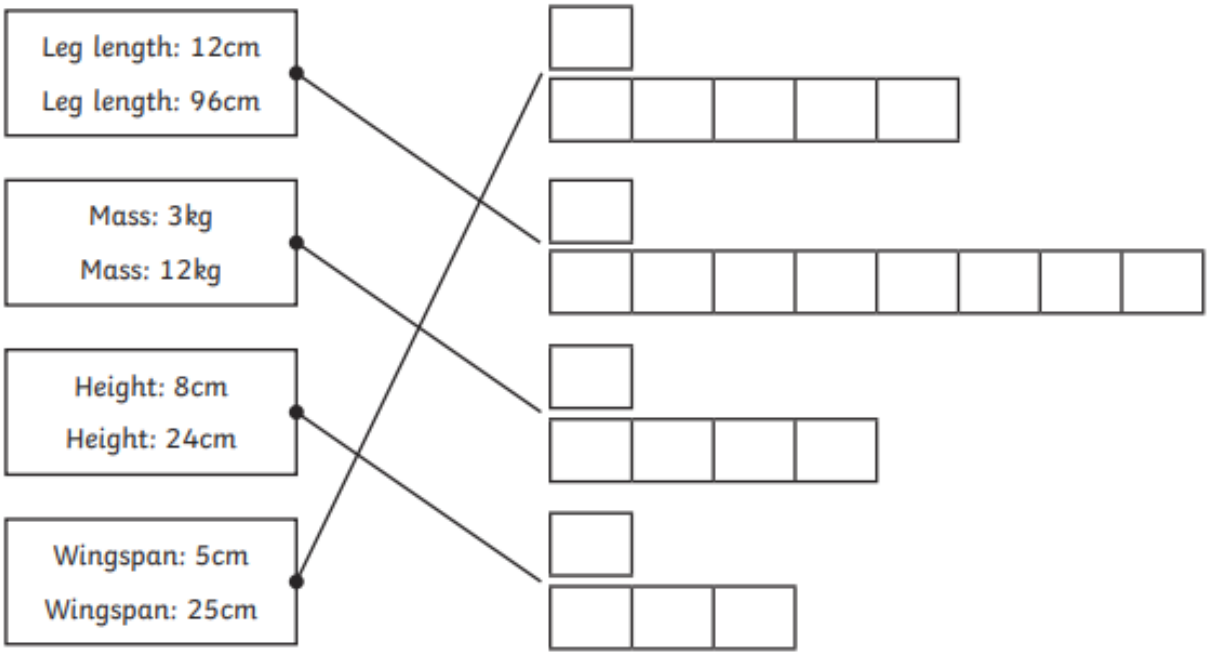
# Scaling challenge answers

1. The rat's tail is ***three*** times longer than the tail of the harvest mouse.

   The harvest mouse's tail is 6cm long.

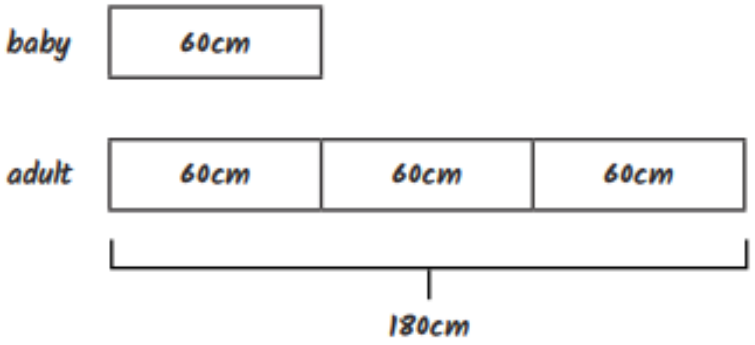
   ***6 × 3 = 18***

   The rat's tail is ***18cm*** long.

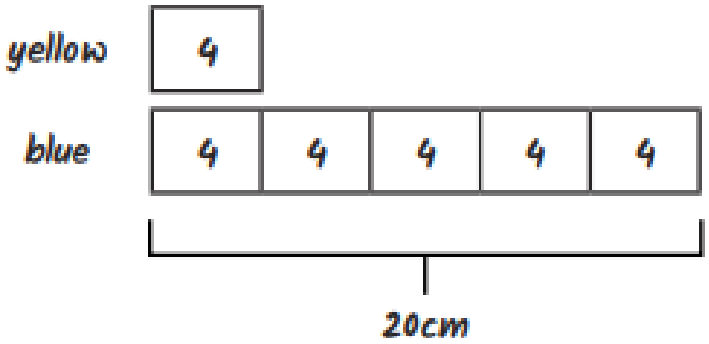
2. 

3.

A baby giraffe's leg is **60cm** long.




4.




Wingspan of the blue butterfly: **5 × 4cm = 20cm**