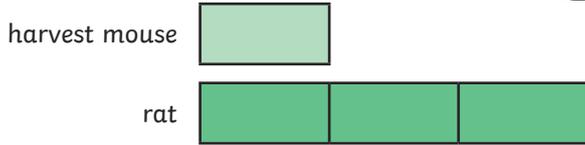**1)** Kiran draws a bar model to compare the lengths of two different animals' tails.

harvest mouse

rat

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) A yellow butterfly's wingspan is 4cm. A blue butterfly's wingspan is 5 times as big.
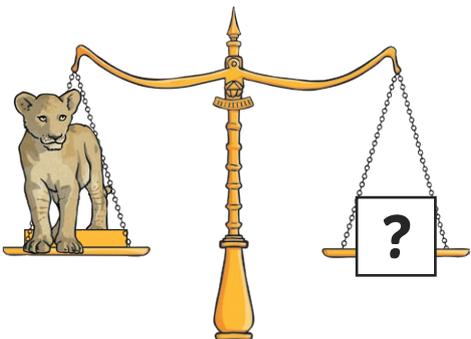
Draw a bar model to represent both wingspans.

Write a calculation to find the wingspan of the blue butterfly.
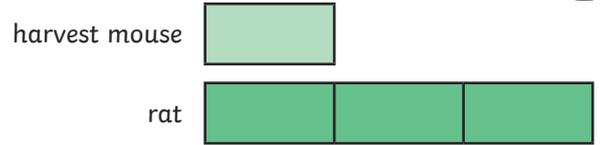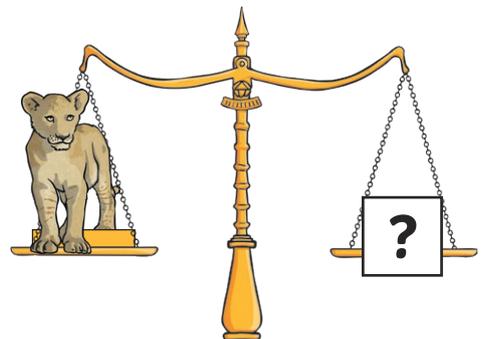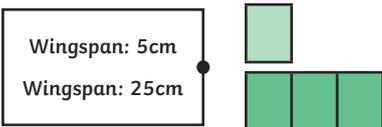
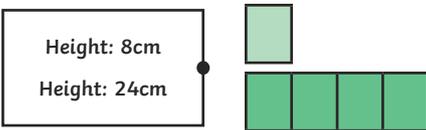**3)** Kat measured the mass of a lion cub.

1kg 1kg

Two months later, the lion cub weighed 8 times as much.

?

How many kilogram weights would Kat need to balance the mass of the tiger cub now?

1) Match each bar model to the facts it represents.
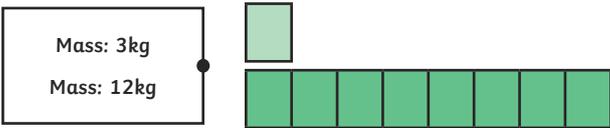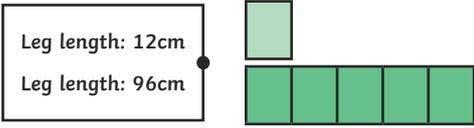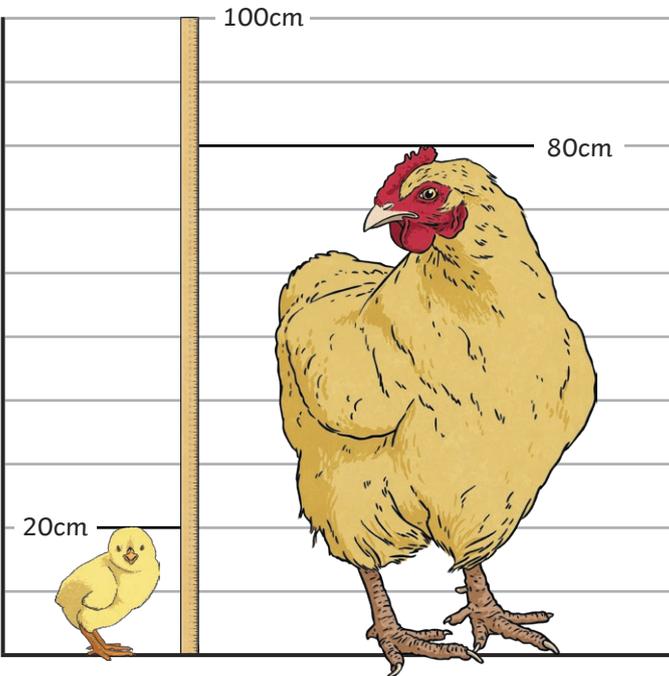
Leg length: 12cm
Leg length: 96cm

Mass: 3kg
Mass: 12kg

Height: 8cm
Height: 24cm

Wingspan: 5cm
Wingspan: 25cm

2)

100cm

80cm

20cm

Michele says, "The adult chicken is 3 times as tall as the chick because you need 3 more lots of 20cm to make 80cm."

Do you agree with Michele? Explain your reasons.

---

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Michele says, "The adult chicken is 3 times as tall as the chick because you need 3 more lots of 20cm to make 80cm."

Do you agree with Michele? Explain your reasons.

1) 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.

2) An African pygmy mouse is between 30 and 75mm long from its nose to its tail. It is 3 times the length of its tail.

Complete the table to show the different possibilities for the length of its tail and its whole body if both measurements are whole numbers.
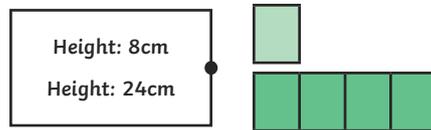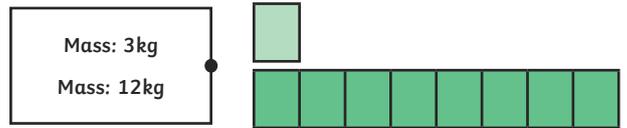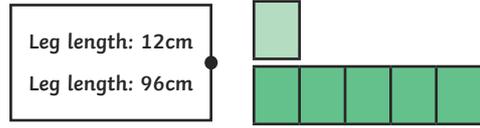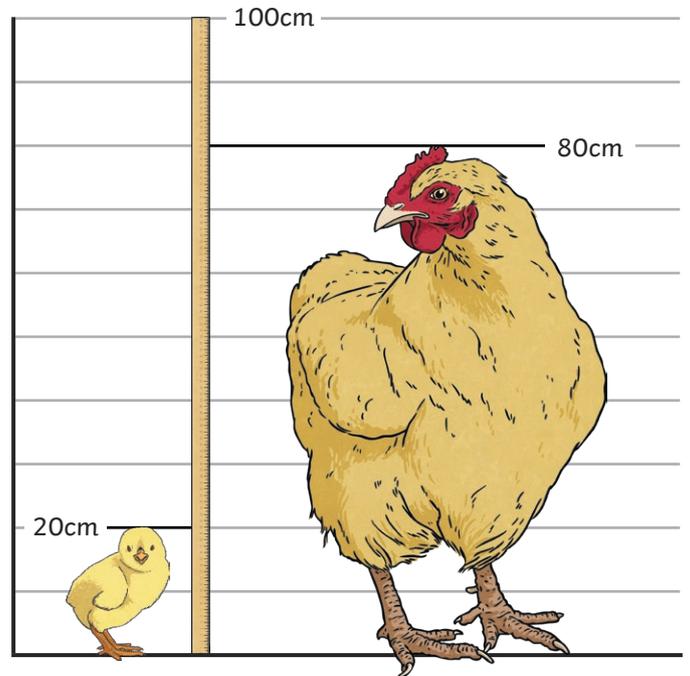
Length of Tail	Total Length
10mm	

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