ass problems

1 Find the total mass of food in each bag.
Write your answer in kilograms to 1 decimal place.

A

B

C

| 5 kg | 0·6 kg | | 0·9 kg | 800 g | | 400 g | 0·8 kg |
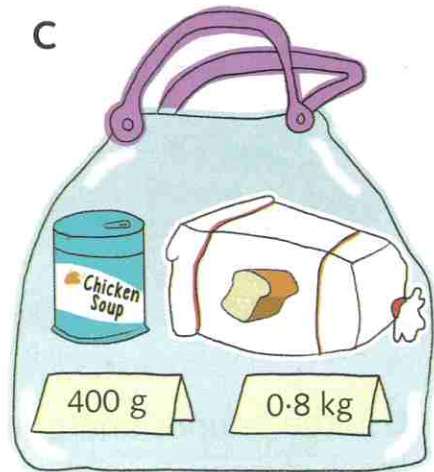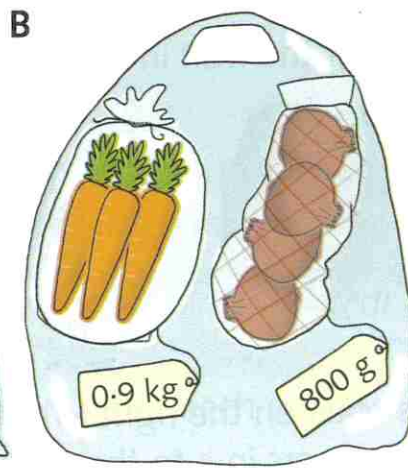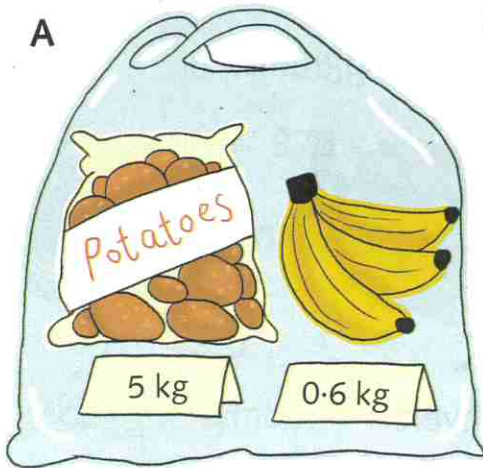
**2** How much heavier is shopping bag A:

a   than bag B?   b   than bag C?

3 Find the total mass in kilograms of:

a   3 loaves of bread   b   5 tins of soup

4 What is the approximate mass in grams of one banana?

1 One medium-sized egg has a mass of 60 g.
What is the mass in grams of 6 medium-sized eggs?

2 6 large eggs have a mass of about 400 g.
About how many large eggs have a mass of 1 kg?

3 6 apples have a mass of 1·15 kg.
Bill eats one of them.
The remaining 5 apples have a mass of 0·97 kg.
What was the mass of the apple that Bill ate?
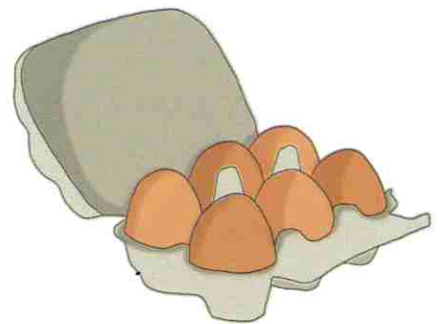
4 Ben's mum made 'Toad in the hole' for supper. She used 9 eggs and 12 sausages.
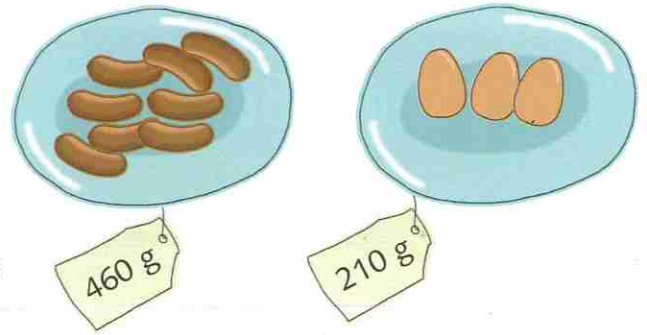
    a Use the information in the pictures to work out the total mass in kilograms of the eggs and sausages she used.

    b Once cooked, the 'Toad in the hole' weighed 1·24 kg. After supper, Ben's mum set aside $\frac{1}{4}$ of the dish for Ben's brother who would be home later. How many grams was this?

460 g

210 g

5 This display of tins of soup has a mass of 4·54 kg. The shopkeeper adds a fifth row of 5 cans of soup. What is the total mass of the tins of soup now in the display?

Challenge 3

Two master and two apprentice sumo wrestlers need to cross a fast-flowing river.
The only transport available is a raft.
The maximum mass the raft will carry is 250 kg.

Hint
Draw a diagram to help you work out how the wrestlers get across the river.
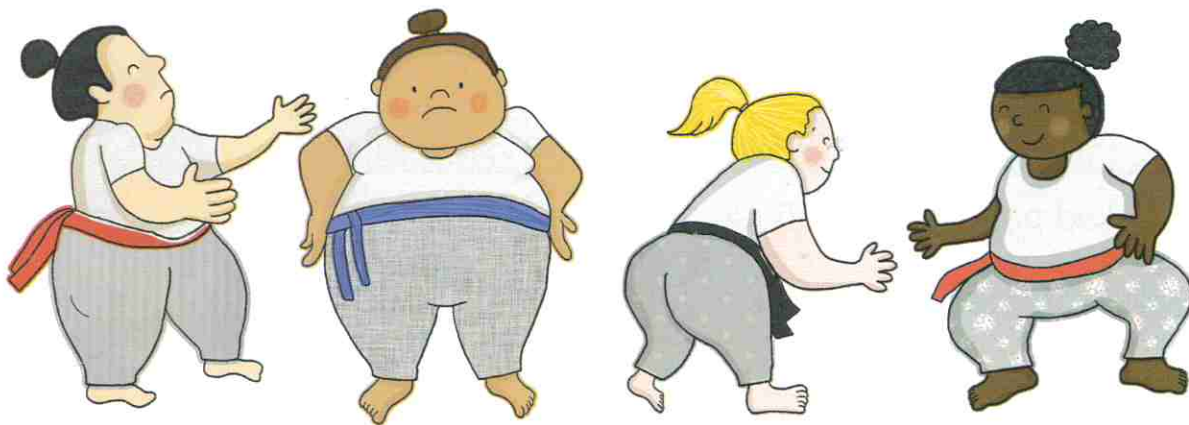
Aki: 166 kg   **Beni: 185 kg**   **Chi: 80 kg**   **Do: 91 kg**

Find the least number of raft trips needed to get all four wrestlers across the river.