

Going fishing

This task is about solving maths problems with proportions.



Chloe and Jess went fishing together.

a) The first fish Chloe caught weighed 9 kg. After the head was removed the body weighed only half as much.

What was the weight of the head? kg

b) Chloe and Jess each caught a fish, together they weighed 12 kg.
If Chloe's fish weighed twice as much as Jess's, what did each fish weigh?

i) Chloe's fish kg

ii) Jess's fish kg

c) Chloe caught another fish. When its head and tail were removed it weighed two-thirds of what it did before.

If the head and tail weighed 2.5 kg, what did the fish weigh to begin with? kg

d) Jess ended the day by catching an enormous fish, weighing 21 kg.
The tail weighed half as much as the head, and the head weighed half as much as the body.

What did the body weigh? kg