

Task A

Harris and Kim have £20 in total.

Harris and Zack have £13 in total.

Kim and Zack have £15 in total.

How much money does each person have?

Task B

Ben and Sam weigh 90kg in total.

Jack and Ben weigh 100kg in total.

Sam and Jack weigh 80kg in total.

How much does each person weigh?

Extend

Julie and Steph weigh 80kg in total.

Alice and Julie weigh 80kg in total.

Agree or disagree:

'Alice, Julie and Steph must all weigh 40kg.'

The answers are on the next page.

Answers:

Task A: Harris has £9, Kim has £11, Zack has £4

Task B: Ben is 55kg, Jack is 45kg, Sam is 35kg

Extend: Steph and Alice must weigh the same: when weighed with Julie, the combined weights are the same (80kg). However, Julie may be lighter or heavier than 40kg (e.g. she may weigh 45kg and Steph and Alice could each weigh 35kg).