

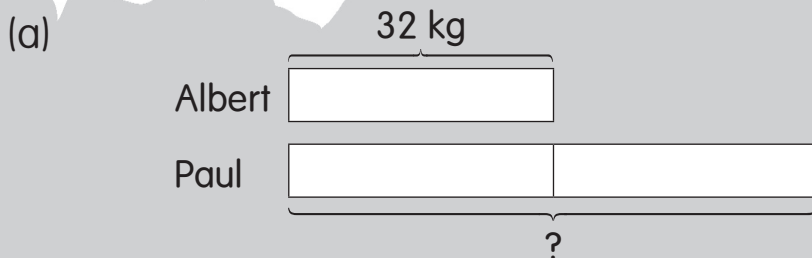


Challenging Problems

Worked Example 1

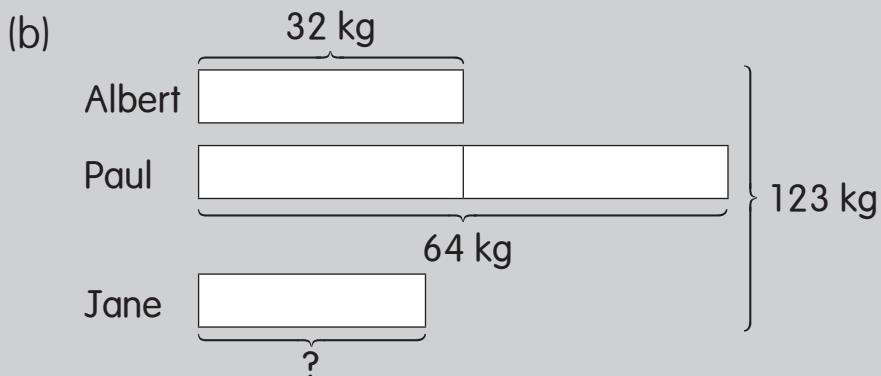
Albert, Paul and Jane have a total weight of 123 kg. Albert's weight is 32 kg. Paul weighs twice as much as Albert.

- (a) What is Paul's weight?
(b) What is Jane's weight?



$$32 \text{ kg} \times 2 = 64 \text{ kg}$$

Paul's weight is **64 kg**.



$$32 \text{ kg} + 64 \text{ kg} = 96 \text{ kg}$$

Albert and Paul weigh 96 kg altogether.

$$123 \text{ kg} - 96 \text{ kg} = 27 \text{ kg}$$

Jane's weight is **27 kg**.