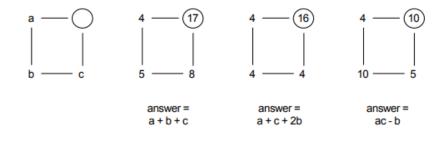
**23** Here are the answers – and to explain how each one works, we've used a, b, c to stand for the three numbers you're given :



24 Before the grandfather arrives, there are 3 people in the house. Sam must have worked out their average age (32) by dividing the total of their ages by 3, so this total must have been 3 x 32 = 96.

Once the grandfather has arrived, there are 4 people in the house. If the average age of these 4 people is 42, the total of their ages must be  $4 \times 42$ , which is 168.

Of course, it's grandfather who has increased the age total in the house from 96 to 168, so he must be 72 !

