

# Auntie's age

**This task is about using algebraic expressions to find out people's ages.**

Ana is 13 and Lachlan is 11 years old. They were trying to guess their aunt's age. Their aunt said,

**If you double your age, Ana, and add Lachlan's age; I'm still older than that.**



a) Their aunt must be more than how many years old? \_\_\_\_\_

Their aunt then said,

**If you take three times your age, Lachlan, and add Ana's age. I'm not as old as that.**

b) Their aunt must be less than how many years old? \_\_\_\_\_

c) Which expression will give you Lachlan's age if Ana's age is  $x$ ?

- (A)  $x + 2$
- (B)  $x - 2$
- (C)  $2x$
- (D)  $x/2$

Finally their aunt said,

**When I'm 64, I will be exactly the sum of your ages.**

d) i) In how many years will this be? \_\_\_\_\_

ii) What must their aunt's age be now? \_\_\_\_\_