

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 ?

☐ $x + 2$

☐ $x - 2$

☐ $2x$

☐ $x/2$

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?