



Equations - set samples - paper 1

1. Naomi is 40 years older than Andrew. In 8 years' time, Naomi will be twice as old as Andrew. How old is Andrew now?

ans _____

2. In 16 years' time, Harry will be four times as old as he was 8 years ago. Calculate Harry's current age.

ans _____

3. In 13 years' time, Amir will be twice as old as he was 16 years ago. Calculate Amir's current age.

ans _____



Equations - set samples - Answers

1. Let Andrew's age = A
Naomi's age = A + 40
In 8 years: $(A + 40 + 8) = 2(A + 8)$
 $A + 48 = 2A + 16$
 $32 = A$

Answer: 32 years old

2. $H + 16 = 4(H - 8)$
 $H + 16 = 4H - 32$
 $48 = 3H$
 $H = 16$

Answer: 16 years old

3. $A + 13 = 2(A - 16)$
 $A + 13 = 2A - 32$
 $45 = A$

Answer: 45 years old