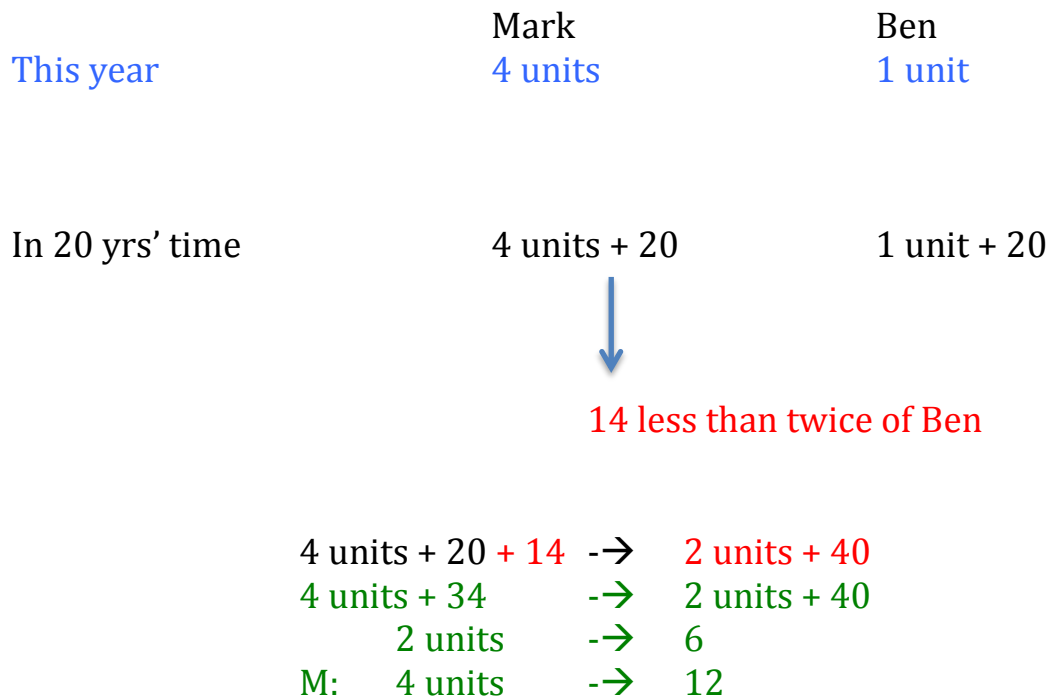


P6 Questions from Faith – 25.01.2013

Q1. This year, Mark is 4 times as old as Ben. In 20 years' time, Mark will be 14 years younger than twice Ben's age. How old is Mark this year?



Ans. This year, Mark is **12 years old**.

Q2. Tina's current age is three times Sam's age a few years ago. Conversely, Sam's current age is Tina's age the same number of years ago. If the sum of their current ages is 30 years, find Tina's current age.

	Tina	Sam	Constant Diff
Few years ago	1 part	1 unit	→ 1 p - 1 u
			↓
Current	3 units	1 part	→ 3 u - 1 p

$$\begin{array}{r}
 1 p - 1 u \quad \text{---} \rightarrow 3 u - 1 p \\
 2 p \quad \text{---} \rightarrow 4 u \\
 1 p \quad \text{---} \rightarrow 2 u
 \end{array}$$

$$3 u + 1 p \quad \text{---} \rightarrow 30$$



$$3 u + 2 u \quad \text{---} \rightarrow 30$$

$$5 u \quad \text{---} \rightarrow 30$$

$$1 u \quad \text{---} \rightarrow 6$$

$$\text{T: } 3 u \quad \text{---} \rightarrow 18$$

Ans. Tina's current age is **18 years old.**