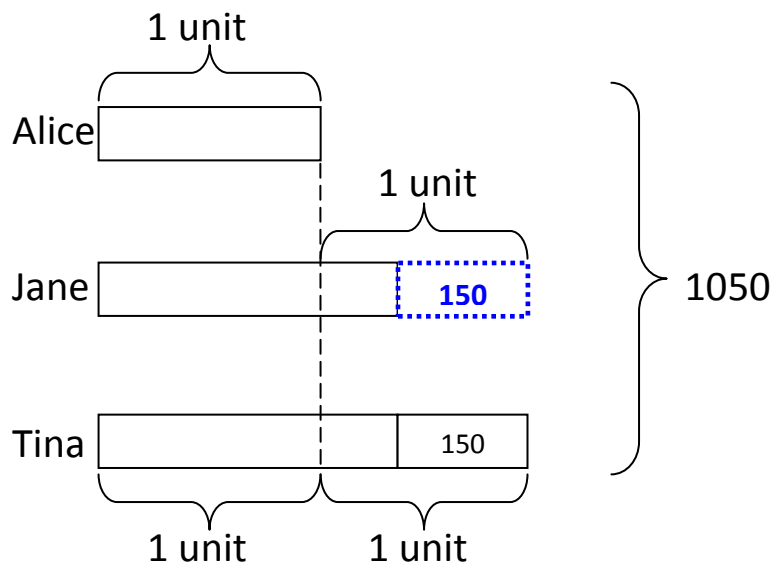


Question from Reid (17.10.13)

Alice, Jane and Tina have 1050 paper hats altogether. Tina has 150 paper hats more than Jane. Tina has twice as many paper hats as Alice. How many paper hats does Jane have?

Solution:



$$5 \text{ units} \quad \rightarrow \quad 1050 + 150 = 1200$$

$$1 \text{ unit} \quad \rightarrow \quad 1200 \div 5 = 240$$

$$\begin{aligned} \text{Jane} \quad &\rightarrow 2 \text{ units} - 150 \\ &= 2 \times 240 - 150 \\ &= 330 \text{ paper hats} \end{aligned}$$

Ans: Jane has 330 paper hats.