

PROBLEMS 6i(7-12)

7) Cost of an orange = $n p$

$$\begin{aligned}\text{Cost of 50 oranges (C)} &= 50 \times n \\ &= 50n\end{aligned}$$

$$\boxed{C = 50n}$$

$$n = 12 p$$

$$\begin{aligned}C &= 50 \times 12 p \\ &= \underline{\underline{600p \text{ or } \pounds 6.}}\end{aligned}$$

8) Cost of a lemon = $n p$

$$\text{Cost of a box of 50 lemons} = \pounds L$$

$$\pounds L = 50 n p$$

$$\pounds L = \pounds \frac{50}{100} n$$

$$\boxed{L = \frac{n}{2}}$$

$$n = 10$$

$$L = \frac{10}{2}$$

$$\underline{\underline{L = \pounds 5}}$$