

18. Let total amount available =  $x$  ₹

Number of children =  $y$

∴ According first condition,

$$\boxed{x - 3y = 30} \quad \text{--- (I)}$$

According to 2<sup>nd</sup> condition,

$$\boxed{4y - x = 10} \quad \text{--- (II)}$$

Adding (I) and (II)

$$x - 3y = 30 \quad \text{--- (I)}$$

$$-x + 4y = 10 \quad \text{--- (II)}$$

$$y = 40$$

Substituting  $y = 40$  in (I) we get,

$$x - 120 = 30$$

$$\boxed{x = 150 \text{ ₹}}$$

∴ Amount = 150 ₹ and  
children = 40