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## Part II

- i) Construct a simple equation. Five times a number increased by 7 is 27.
  - ii) Solve the following equations.

a) 
$$2x + 6 = 12$$
  
b)  $\frac{2}{3}x + 8 = 10$ 

iii) The three scales below are perfectly balanced if  $\bullet = 3$ . What are the values of and  $\bullet$ 



i) The given figure represents a weighting balance. The weights of some objects in the balance are given. Find the weight of each square and the circle.



- ii) Solve each of the following equations. a) 8y = 36 b) 50 - 3x = 8
- i) Senuli asks Theruni to think a number, multiply it by 5 and add 10 to the product. Then she asks Weruni to tell the result. She says it is 40. Find the number thought by Theruni.
  - ii) Solve each of the following equations.
    - a) 11x + 22 = 33
    - b)  $\frac{5}{8}x 3 = 1$

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2)

3)