

Creative Mathematics

1 $\bigcirc + \square = 1388$

$$\bigcirc + \triangle = 1549$$

$$\square + \triangle = 1607$$

$$\triangle - \bigcirc = ?$$

Ans: _____

- 2 The sum of two numbers, A and B, is 2543.
The difference of these 2 numbers is 1109.
Find the sum of twice of A and B.

Ans: _____

Solution to Creative Mathematics

$$1. \quad \bigcirc + \bigcirc + \square + \square + \triangle + \triangle = 1388 + 1549 + 1607 \\ = 4544$$

$$\bigcirc + \square + \triangle = 4544 \div 2 = 2272$$

Compare with (1), (2) and (3) respectively:

$$\triangle = 2272 - 1388 = 884$$

$$\square = 2272 - 1549 = 723$$

$$\bigcirc = 2272 - 1607 = 665$$

$$\triangle - \bigcirc = 884 - 665 = 219$$

Ans: 219

$$2. \quad A + B \rightarrow 2543 \quad \text{--- (1)}$$

$$A - B \rightarrow 1109 \quad \text{--- (2)}$$

Add (1) and (2):

$$A + B + A - B \rightarrow 2543 + 1109$$

$$A + A \rightarrow 3652$$

$$A \rightarrow 1826$$

$$B = 2543 - 1826 = 717$$

$$2 \times A + B \rightarrow 3652 + 717 = 4369$$

Ans: 4369