

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date: .....

Name: .....

ID No.....

## Multiple Choice Questions

1. If  $x = a$  and  $y = b$  is the solution of the equations  $x + y = 5$  and  $x - y = 7$ , then values of  $a$  and  $b$  are respectively
- (a) 1 and 4                      (b) 6 and -1  
(c) -6 and 1                    (d) -1 and -6

Sol.

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2. A pair of linear equations which has a unique solution  $x = -1$ ,  $y = -2$  is
- (a)  $x - y = 1$ ;  $2x + 3y = 5$                       (b)  $2x - 3y = 4$ ;  $x - 5y = 9$   
(c)  $x + y - 3 = 0$ ;  $x - y = 1$                     (d)  $x + y + 3 = 0$ ;  $2x - 3y + 5 = 0$

Sol.

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3. Sanya's age is three times his sister's age. Five years hence, her age will be twice her sister's age. The present ages (in years) of Sanya and her sister are respectively
- (a) 12 and 4                      (b) 15 and 5  
(c) 5 and 15                      (d) 4 and 12

Sol.

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4. The sum of the digits of a two digit number is 8. If 18 is added to it, the digits of the number get reversed. The number is
- (a) 53                                      (b) 35  
(c) 62                                      (d) 26

Sol.

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5. Divya has only Rs 2 and Rs 5 coins with her. If the total number of coins that she has is 25 and the amount of money with her is Rs 80, then the number of Rs 2 and Rs 5 coins are , respectively
- (a) 15 and 10                      (b) 10 and 15  
(c) 12 and 10                      (d) 13 and 12

Sol.

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