Name: **Worksheet(1)**   **Grade:7(A, B)**

Subject : Math (solving linear equations)   **Date :**

Exercise(1): *solve the following linear equations* :

1) $m + 6 = 8$	2) $b - 5 = -12$	3) $4f = -20$

4) $3m + 12 = 36$	5) $2m - 4 = -7$

6) $\dfrac{b}{2} + 4 = -10$	7) $-9 + \dfrac{b}{3} = 9$

8) $5n = 3n + 2$	9) $8n - 6 = 7n$

10) $5d = 2d - 9$

11) $9d = 13d - 16$

12) $2(x - 3) = 2$

13) $5(2 - b) = 15$

14) $4(e - 6) = -8$

15) $2(m - 1) = 4(m - 2)$

16) $4(2b - 1) = 3(b + 2)$

17) $2(10 - 2n) = 8(4 - n)$

18) $\dfrac{m}{3} = 6$

19) $7 = \dfrac{b}{2} + 5$

20) $\dfrac{2}{3}b = 6$

21) $3 = \dfrac{-2b}{5}$

Exercise(2):

Construct an equation from the information given in each question and then solve it .

1) *I think of a number, multiply it by 5 and add 6. The answer is 41.*

What is the number?

2) *I think of a number, add 7 and then multiply everything by 12 .*

The answer is 12.

What is the number?

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