



The National
Orthodox School
Shmaisani

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) $\frac{b}{2} + 4 = -10$

7) $-9 + \frac{b}{3} = 9$

8) $5n = 3n + 2$

9) $8n - 6 = 7n$

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$$10) \quad 5d = 2d - 9$$

$$11) \quad 9d = 13d - 16$$

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

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

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

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

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

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

$$18) \quad \frac{m}{3} = 6$$

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

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

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

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?