

**EduSahara™ Learning Center Assignment**

**Grade** : Class VIII, ICSE  
**Chapter** : Simple Linear Equations  
**Name** : Solving Linear Equations  
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1. Solve the equation  $(x - 6) = 0$

- (i) 3 (ii) 6 (iii) 7 (iv) 5 (v) 8
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2. Solve the equation  $(-2x) = 6$

- (i) -4 (ii) 0 (iii) -5 (iv) -3 (v) -2
- 

3. Solve the equation  $(-4x + 8) = 0$

- (i) 1 (ii) 0 (iii) 3 (iv) 5 (v) 2
- 

4. Solve the equation  $(5x - 6) = (-7)$

- (i)  $(-\frac{1}{5})$  (ii)  $(-\frac{3}{5})$  (iii)  $(-\frac{1}{3})$  (iv)  $(-\frac{1}{7})$  (v)  $\frac{1}{5}$
- 

5. Solve the equation  $(-\frac{7}{3}x + \frac{9}{2}) = \frac{5}{3}$

- (i)  $\frac{19}{16}$  (ii)  $\frac{15}{14}$  (iii)  $\frac{5}{4}$  (iv)  $\frac{19}{14}$  (v)  $\frac{17}{14}$
- 

6. Solve the equation  $(9x - 6) = (-4x - 5)$

- (i)  $\frac{1}{11}$  (ii)  $\frac{3}{13}$  (iii)  $\frac{1}{13}$  (iv)  $(-\frac{1}{13})$  (v)  $\frac{1}{15}$
- 

7. Solve the equation  $(-\frac{7}{8}x + \frac{5}{3}) = (-7x + \frac{4}{3})$

- (i)  $(-\frac{10}{147})$  (ii)  $(-\frac{8}{149})$  (iii)  $(-\frac{2}{49})$  (iv)  $(-\frac{8}{147})$  (v)  $(-\frac{8}{145})$
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8. Solve the equation  $(x - 6) = 0$

- (i) 6 (ii) 5 (iii) 8 (iv) 7 (v) 3
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9. Solve the equation  $(-x) = 3$

- (i) -4 (ii) -3 (iii) 0 (iv) -5 (v) -2
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10. Solve the equation  $(2x + 7) = 0$

- (i)  $(-\frac{13}{4})$  (ii)  $(-\frac{9}{2})$  (iii)  $(-\frac{5}{2})$  (iv)  $(-\frac{7}{2})$  (v) -4
- 

11. Solve the equation  $(6x - \frac{9}{8}) = 0$

- (i)  $\frac{3}{14}$  (ii)  $\frac{1}{16}$  (iii)  $\frac{5}{16}$  (iv)  $\frac{3}{16}$  (v)  $\frac{1}{6}$
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12. Solve the equation  $(-6x + 4) = (-8)$

- (i) -1 (ii) 1 (iii) 3 (iv) 2 (v) 5
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13. Solve the equation  $(-\frac{5}{9}x - \frac{9}{2}) = (-\frac{3}{8})$

- (i)  $(-\frac{311}{42})$  (ii)  $(-\frac{299}{40})$  (iii)  $(-\frac{297}{40})$  (iv)  $(-\frac{283}{38})$  (v)  $(-\frac{59}{8})$
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14. Solve the equation  $(-5x - 5) = (-3x + 4)$

- (i)  $(-\frac{9}{2})$  (ii)  $(-\frac{17}{4})$  (iii)  $(-\frac{11}{2})$  (iv) -5 (v)  $(-\frac{7}{2})$
- 

15. Solve the equation  $(-\frac{9}{8}x - \frac{7}{2}) = (\frac{5}{4}x + \frac{9}{5})$

- (i)  $(-\frac{216}{97})$  (ii)  $(-\frac{42}{19})$  (iii)  $(-\frac{208}{93})$  (iv)  $(-\frac{212}{95})$  (v)  $(-\frac{214}{95})$
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## Assignment Key

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- 1) (ii)
- 2) (iv)
- 3) (v)
- 4) (i)
- 5) (v)
- 6) (iii)
- 7) (iv)
- 8) (i)
- 9) (ii)
- 10) (iv)
- 11) (iv)
- 12) (iv)
- 13) (iii)
- 14) (i)
- 15) (iv)