

**EduSahara™ Learning Center Assignment**

**Grade** : Class VIII, CBSE  
**Chapter** : Linear Equations in One Variable  
**Name** : Solving Linear Equations  
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1. Solve the equation  $(x - 2) = 0$

- (i) -1 (ii) 4 (iii) 2 (iv) 3 (v) 1
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2. Solve the equation  $2x = (-7)$

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

3. Solve the equation  $(-8x - 6) = 0$

- (i)  $(\frac{-3}{2})$  (ii)  $(\frac{-5}{4})$  (iii)  $(\frac{-3}{4})$  (iv)  $(\frac{-1}{4})$  (v)  $(\frac{-1}{2})$
- 

4. Solve the equation  $(\frac{4}{3}x - \frac{7}{5}) = 0$

- (i)  $\frac{23}{22}$  (ii)  $\frac{19}{18}$  (iii)  $\frac{23}{20}$  (iv)  $\frac{19}{20}$  (v)  $\frac{21}{20}$
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5. Solve the equation  $(-x + 8) = (-2)$

- (i) 9 (ii) 10 (iii) 13 (iv) 11 (v) 8
- 

6. Solve the equation  $(\frac{7}{5}x + \frac{7}{6}) = \frac{6}{5}$

- (i)  $\frac{1}{42}$  (ii)  $\frac{1}{40}$  (iii)  $(\frac{-1}{42})$  (iv)  $\frac{1}{14}$  (v)  $\frac{1}{44}$
- 

7. Solve the equation  $(6x - 1) = (-8x + 7)$

- (i)  $\frac{4}{9}$  (ii)  $\frac{4}{7}$  (iii)  $\frac{2}{7}$  (iv)  $\frac{4}{5}$  (v)  $\frac{6}{7}$
- 

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

- (i)  $\frac{26}{7}$  (ii)  $\frac{22}{7}$  (iii)  $\frac{18}{5}$  (iv)  $\frac{10}{3}$  (v)  $\frac{24}{7}$
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9. Solve the equation  $(x - 6) = 0$

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

- (i) 2 (ii) 4 (iii) -1 (iv) 3 (v) 1
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11. Solve the equation  $(6x + 9) = 0$

- (i)  $(-\frac{1}{2})$  (ii)  $(-\frac{3}{2})$  (iii)  $(-\frac{5}{2})$  (iv) -2 (v)  $(-\frac{5}{4})$
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12. Solve the equation  $(\frac{8}{3}x - \frac{7}{4}) = 0$

- (i)  $\frac{21}{34}$  (ii)  $\frac{21}{32}$  (iii)  $\frac{23}{32}$  (iv)  $\frac{7}{10}$  (v)  $\frac{19}{32}$
- 

13. Solve the equation  $(-2x + 5) = 6$

- (i)  $(-\frac{1}{2})$  (ii)  $\frac{1}{2}$  (iii)  $(-\frac{1}{4})$  (iv) -1 (v)  $(-\frac{3}{2})$
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14. Solve the equation  $(\frac{9}{8}x - \frac{2}{7}) = \frac{7}{4}$

- (i)  $\frac{38}{21}$  (ii)  $\frac{40}{21}$  (iii)  $\frac{12}{7}$  (iv)  $\frac{36}{19}$  (v)  $\frac{40}{23}$
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15. Solve the equation  $(-3x + 6) = (-2x + 5)$

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

16. Solve the equation  $(\frac{7}{5}x - \frac{5}{2}) = (8x - \frac{2}{5})$

- (i)  $(-\frac{7}{20})$  (ii)  $(-\frac{7}{24})$  (iii)  $(-\frac{9}{22})$  (iv)  $(-\frac{5}{22})$  (v)  $(-\frac{7}{22})$
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## Assignment Key

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