EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Simple Equations

Grade : SSC Grade VII



1. The value of $x$ in terms of other variables and constant in $(8x+7)=(5x+5)$ is

   (i) $x=(-\frac{4}{3})$ (ii) $x=(-\frac{2}{3})$ (iii) $x=(-\frac{2}{5})$ (iv) $x=(-2)$ (v) $x=0$

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

   (i) $\frac{2}{35}$ (ii) $\frac{12}{245}$ (iii) $\frac{2}{49}$ (iv) $\frac{4}{81}$ (v) $\frac{12}{247}$

3. Which of the following equations is the same as $(-2x-5)=(3x+9)$

   (i) $(-2x-10)=(3x+4)$ (ii) $(-2x-11)=(3x+4)$ (iii) $(-2x-9)=(3x+4)$ (iv) $(-2x-10)=(3x+1)$

   (v) $(-2x-10)=(3x+7)$

4. The R.H.S of the equation $(4x+4)=0$ is

   (i) $(-3)$ (ii) $(-1)$ (iii) $0$ (iv) $(4x+4)$ (v) $2$

5. Which of the following equations is not equivalent to $(2x+7)=0$

   (i) $2x=(-7)$ (ii) $(-10x)=35$ (iii) $4x=(-14)$ (iv) $2x=(-2)$ (v) $(-2x)=7$

6. Which of the following equations is not the same as $(-6x+9)=0$

   (i) $(-5x+7)=(-x+2)$ (ii) $(-7x+11)=(-x+2)$ (iii) $(-10x+2)=(-4x-7)$ (iv) $(-5x+7)=(x-2)$

   (v) $(-2x+16)=(4x+7)$

7. Solve the equation $(-\frac{7}{9}x+8)=0$

   (i) 10 (ii) $\frac{72}{7}$ (iii) $\frac{92}{9}$ (iv) $\frac{74}{7}$ (v) $\frac{52}{5}$

8. Which of the following equations is the same as $(-7x-9)=2$

   (i) $(-7x-13)=3$ (ii) $(-7x-12)=(-2)$ (iii) $(-7x-13)=(-7)$ (iv) $(-7x-13)=(-2)$

   (v) $(-7x-14)=(-2)$

9. Which of the following equations is the same as $(x-4)=0$

   (i) $(-x-5)=(2x+1)$ (ii) $(3x-3)=(-2x-1)$ (iii) $(-x-5)=(-2x-1)$

10. Solve the equation $(-4x+1)=4$

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

11. Which of the following equations is equivalent to $(7x-7)=(-4)$

(i) $7x=3$ (ii) $7x=8$ (iii) $7x=5$ (iv) $7x=1$ (v) $7x=(-2)$

12. Which of the following equations is not the same as $(x+7)=(-7x-2)$

(i) $10=(-6x-5)$ (ii) $(2x+4)=(-6x-5)$ (iii) $10=(-8x+1)$ (iv) $(-4x+13)=(-12x+4)$

(v) $(6x+1)=(-2x-8)$

13. The R.H.S of the equation $(-8x+4)=(-5)$ is

(i) $(-8x+4)$ (ii) $(-2)$ (iii) $(-5)$ (iv) $(-6)$ (v) $(-8)$

14. Which of the following equations is the same as $(-4x+4)=0$

(i) $(-4x+6)=(-2)$ (ii) $(-4x+2)=(-2)$ (iii) $(-4x-2)=(-2)$ (iv) $(-4x+2)=(-5)$ (v) $(-4x+2)=1$

15. Which of the following equations is equivalent to $(-2x+6)=(x+3)$

(i) $(-3x)=(-5)$ (ii) $(-3x)=(-6)$ (iii) $(-3x)=0$ (iv) $(-3x)=(-1)$ (v) $(-3x)=(-3)$

16. The additive inverse of the expression $(-7x-3)$ is

(i) $(7x+1)$ (ii) $(6x+3)$ (iii) $(7x+3)$ (iv) $(7x+6)$ (v) $(-7x-3)$

17. Solve the equation $(x-8)=(9x-4)$

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

18. The L.H.S of the equation $(5x+4)=0$ is

(i) $(5x+4)$ (ii) 0 (iii) $(5x+7)$ (iv) $(5x+1)$ (v) $(4x+4)$

19. Which of the following equations is the same as $(3x-1)=(-7)$

(i) $7=(3x-15)$ (ii) $(12x+7)=(-9x-15)$ (iii) $(-6x-9)=(9x+1)$ (iv) $(6x-9)=(-3x+1)$

(v) $(-6x-9)=(-9x-15)$

20. Solve the equation $(x+3)=0$

(i) -4 (ii) -2 (iii) -1 (iv) -6 (v) -3

21. Which of the following equations is not the same as $(5x-1)=(-6x-6)$

(i) $(5x+2)=(-6x-3)$ (ii) $(5x+3)=(-6x-2)$ (iii) $(5x-6)=(-6x-1)$ (iv) $(5x-5)=(-6x-10)$

(v) $(5x-4)=(-6x-9)$

22. Solve the equation $5x=4$

(i) $\frac{6}{5}$ (ii) $\frac{4}{7}$ (iii) $\frac{4}{3}$ (iv) $\frac{2}{5}$ (v) $\frac{4}{5}$

23. Which of the following equations is not the same as $(7x+4)=7$

(i) $(6x+4)=(-x+7)$ (ii) $(14x-2)=(7x+1)$ (iii) $10=(-7x+13)$ (iv) $(8x+4)=(x+7)$

(v) $(14x-2)=(-7x+13)$

24. Which of the following equations is equivalent to $(2x-8)=0$

(i) $2x=9$ (ii) $2x=4$ (iii) $2x=7$ (iv) $2x=12$ (v) $2x=8$

25. Which of the following equations is the same as $(7x+6)=6$

(i) $(14x+17)=12$ (ii) $(14x+12)=12$ (iii) $(14x+12)=11$ (iv) $(14x+7)=12$ (v) $(14x+12)=13$

## Assignment Key

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|---|---|---|---|---|---|
| 1) (ii) | 2) (ii) | 3) (i) | 4) (iii) | 5) (iv) | 6) (i) |
| 7) (ii) | 8) (iv) | 9) (iii) | 10) (v) | 11) (i) | 12) (i) |
| 13) (iii) | 14) (ii) | 15) (v) | 16) (iii) | 17) (ii) | 18) (i) |
| 19) (v) | 20) (v) | 21) (iii) | 22) (v) | 23) (v) | 24) (v) |
| 25) (ii) | | | | | |