Name: _____   Date: _____

Class: _____   Teacher: _____

SOLVING FOR X - LESSON I

This lesson is designed for one hour and thirty minutes of study (30 minutes video, 20 minutes skill exercises, 20 minutes reasoning exercises and 20 minutes practice test).

The key to successful GED prep is a proper balance between active and passive study. In general, thirty percent (30%) or your study time should be passive and seventy percent (70%) of your study time should be active. Passive study is watching and reading. Active study is completing tasks.

WATCH VIDEO LESSON

Time Target: 30 minutes. To view video, go to: https://ispri.ng/Dk9n7

Solving for X Skill Problems

Time Target: 10 minutes. Solve for the variable.

1. $6 + y = 17$ _____

2. $15 + y = 19$ _____

3. $7 - y = 4$ _____

4. $13 - y = 7$ _____

5. $8 - y = 4$ _____

6. $5 - y = 1$ _____

7. $11 - y = 0$ _____

8. $5 + y = 6$ _____

9. $y - 1 = 10$ _____

10. $11 - y = 7$ _____

11. $1 - y = 0$ _____

12. $1 + y = 8$ _____

Solving for X Skill Problems

Time Target: 10 minutes. Solve for the variable.

13. $20 \times y = 340$ _____

14. $y \div 19 = 19$ _____

15. $550 \div y = 22$ _____

16. $y \div 15 = 21$ _____

17. $15 \times y = 255$ _____

18. $y \times 18 = 432$ _____

19. $y \div 19 = 22$ _____

20. $y \div 23 = 19$ _____

21. $y \times 25 = 600$ _____

22. $y \times 16 = 288$ _____

23. $y \div 25 = 17$ _____

24. $y \times 24 = 384$ _____

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Reasoning (Word) Problems

Time Target: 20 minutes. Complete exercises.

25. Ellen took her son to the movies. If she paid a total of $35.14 for their tickets and her ticket cost $17.22, how much did her son's ticket cost?

_____

26. Marin took her son to the movies. If she paid a total of $34.29 for their tickets and her ticket cost $16.59, how much did her son's ticket cost?

_____

27. Amy took her son to the movies. If she paid a total of $33.11 for their tickets and her ticket cost $17.28, how much did her son's ticket cost?

_____

28. Steven earns $27 per hour. If he earned $484 this week, how many hours did he work? (Hint: Round answer to nearest whole number)

_____

29. Allan earns $23 per hour. If he earned $418 this week, how many hours did he work? (Hint: Round answer to nearest whole number)

_____

30. Steven has 34 pieces of fruit. If Steven has 11 bananas, then how many apples does Steven have?

_____

31. Billy earns $16 per hour. If he earned $325 this week, how many hours did he work? (Hint: Round answer to nearest whole number)

_____

32. Brian earns $15 per hour. If he earned $401 this week, how many hours did he work? (Hint: Round answer to nearest whole number)

_____

33. Donald earns $13 per hour. If he earned $518 this week, how many hours did he work? (Hint: Round answer to nearest whole number)
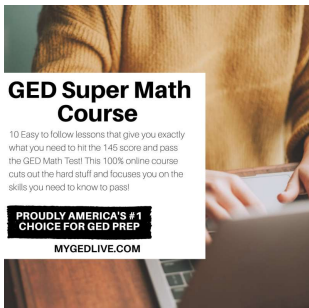
_____

34. Donald has 28 pieces of fruit. If Donald has 8 nectarines, then how many apples does Donald have?

_____

35. Marcie took her son to the movies. If she paid a total of $32.26 for their tickets and her ticket cost $17.21, how much did her son's ticket cost?

_____

36. Sandra took her son to the movies. If she paid a total of $27.92 for their tickets and her ticket cost $17.09, how much did her son's ticket cost?

_____

37. David earns $13 per hour. If he earned $558 this week, how many hours did he work? (Hint: Round answer to nearest whole number)

_____

38. Audrey took her son to the movies. If she paid a total of $33.52 for their tickets and her ticket cost $16.98, how much did her son's ticket cost?

_____

39. Brian has 28 pieces of fruit. If Brian has 10 bananas, then how many apples does Brian have?

_____

TAKE PRACTICE TEST

Time Target: 20 minutes. To take test, go to: https://ispri.ng/Dk9n7

ANSWERS

1. y = 11   2. y = 4   3. y = 3   4. y = 6   5. y = 4   6. y = 4   7. y = 11   8. y = 1

9. y = 11   10. y = 4   11. y = 1   12. y = 7

13. y = 17   14. y = 361   15. y = 25   16. y = 315   17. y = 17   18. y = 24

19. y = 418   20. y = 437   21. y = 24   22. y = 18   23. y = 425   24. y = 16

25. 17.92   26. 17.7   27. 15.83   28. 18   29. 18   30. 23   31. 20

32. 27   33. 40   34. 20   35. 15.05   36. 10.83   37. 43   38. 16.54

39. 18