Sixth Grade - Equation and inequalities

1) Solve the following: Single variable simple linear equations x - 89 = 2?

- 125
- 324
- 214
- 101

2) Solve the following: Single variable simple linear equations y - 21 = 39?

- 40
- 65
- 6050

3) Solve the following: Single variable simple linear equations $12 = m \div 18$?

- 216
- 312
- 198
- 168

4) Solve the following: Single variable simple linear equations $P \div 7 = 4$?

- 32
- 28
- 41
- 48

5) Solve the following: Single variable simple linear equations $x \div 8 = 5$?



- 46
- 24
- 40
- 32

6) Solve the following: Single variable simple linear equations 2x - 6x + 12 - 26 + 5x = 40?

- 24
- 43
- 54
- 34

7) Solve the following: Single variable simple linear equations 5p - 14 + 3p + 4p - 25 - 9p = 57?

- 36
- 32
- 24
- 22

8) Solve the following: Single variable simple linear equations -2s + 23 + 15 - 6s + 5s = -1?

- 22
- 13
- 34
- 18

9) Solve the following: Single variable simple linear equations 3(x + 4) = 30?

- 5
- 6
- 8 • 4

10) Solve the following: Single variable simple linear equations 5(a-2) = 0?

- 8
- 4
- 2
- 6

11) Solve the following: Single variable simple linear equations 4a + 3(a - 2) = 1?

- 6
- 1
- 2
- 7

12) Solve the following: Single variable simple linear equations a + 2(a - 7) = 1?

- 3
- 8
- 5
- 4

13) Solve the following: Single variable simple linear equations 3x + 4(x + 2) = 22?

- 2
- 8
- 5
- 6

14) Solve the following: Single variable simple linear equations 7p - 3(p + 4) = 8?

- 7
- 5



- 3
- 9

15) Solve the following: Single variable simple linear equations 5x = 7(x - 2)?

- 6
- 4
- 9
- 7

16) Solve the following: Single variable simple linear equations 2(x - 5) = 6(1 - x)?

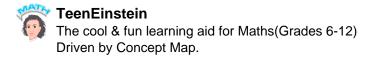
- 6
- 8
- 4
- 2

17) Solve the following: Single variable simple linear equations 5(y + 8) = 3(y + 20)?

- 32
- 10
- 22
- 44

18) Solve the following: Single variable simple linear equations 6(p-8) = 2(4-p)?

- 4
- 9
- 8
- 7



19) Solve the following: Single variable simple linear equations 5x - 3 = 3x + 7?

- 6
- 5
- 128

20) Solve the following: Single variable simple linear equations y = 2 - 2[2y - 3(1 - y)]

- 8/11
- 10/14
- 4/13
- 9/10

21) Solve the following: Single variable simple linear equations 2x + 5 = 10 - 3x

- 6
- 9
- 3
- 1

22) Solve the following: Single variable simple linear equations 8x + 8 = 5x + 19

- 16/3
- 13/4
- 12/8
- 11/3

23) Solve the following: Single variable simple linear equations 5x - 3 = 3x - 5

- -4
- -8
- -1
- -7

24) Solve the following: Single variable simple linear equations 4p + 2 = 9 - 3p

- 4
- 8
- 1
- 6

25) Solve the following: Single variable simple linear equations 6x - 5 - 2x + 3 - 2 = 4

- 4
- 8
- 2
- 6

26) Solve the following: Single variable simple linear equations m + 13m - 13 = 15

- 4
- 2
- 6
- 8

27) Solve the following: Single variable simple linear equations 7 = 8 + 5j - 9 + 3j

- 2
- 1
- 9
- 6

28) Solve the following: Single variable simple linear equations d + 8 - 14 + 14d = 39



- 4
- 9
- 3
- 8

29) Write the following statements to a mathematical inequality in one variable: The square of m is greater than zero?

- m² > 0
- m²
- m > 0
- m

30) Write the following statements to a mathematical inequality in one variable: The absolute value of the opposite of k is greater than 2?

- |-k| > 8
- |-k| > 2
- |--k|
- |-k| > 3