



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
- 60
- 50

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
- 12
- 8

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

- $\frac{8}{11}$
- $\frac{10}{14}$
- $\frac{4}{13}$
- $\frac{9}{10}$

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 $8x + 8 = 5x + 19$

- $\frac{16}{3}$
- $\frac{13}{4}$
- $\frac{12}{8}$
- $\frac{11}{3}$

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?

- $m^2 > 0$
- m^2
- $m > 0$
- 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?

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