

Solving Equations Day 1

Solve each equation.

1) $5 = 5 - 10n$

2) $\frac{a}{2} + 4 = -6$

3) $-60 = 5(3 + x)$

4) $10 = 5(n - 5)$

5) $\frac{n + 8}{2} = -6$

6) $-6(b - 3) = -30$

7) $7 + 3x = -44$

8) $-162 = -6(7 + n)$

9) $-14 = -7 + \frac{n}{2}$

10) $5(x + 6) = -35$

11) $-9r - 5 = -104$

12) $-1 = \frac{-7 + m}{15}$

13) $-16 = 10x - 6$

14) $4 = 6 + \frac{v}{5}$

15) $-95 = -5 + 10m$

16) $\frac{x}{2} + 1 = 9$

$$17) \frac{3+x}{14} = -1$$

$$18) 5 = \frac{p}{4} + 4$$

$$19) -86 = 2(5 - 8n)$$

$$20) -7(-6n + 3) - 2n = -141$$

$$21) 84 = 6(2n - 2)$$

$$22) -250 = 5(6 + 7x)$$

$$23) -240 = 8(3 + 8r) + 2r$$

$$24) -120 = -4(5p - 5)$$

$$25) -100 = -4(x + 4) - 8x$$

$$26) 113 = 1 + 7(k + 8)$$

$$27) -5(1 - 6x) = -155$$

$$28) 7(-8m - 3) + 3m = 350$$

- 29) A number is divided by 3, and then 4 is added to the quotient. The result is 8. Find the number.
- 30) A number is multiplied by 5, and then 3 is subtracted from the product. The result is 12. Find the number.
- 31) Eight is subtracted from a number, and then the difference is multiplied by 2. The result is 24. Find the number.
- 32) Three times a number plus 3 is 24. Find the number.
- 33) **CAR RENTAL** Angela rented a car for \$29.99 a day plus a one-time insurance cost of \$5.00. Her bill was \$124.96. For how many days did she rent the car?
- 34) **MONEY** Mike withdrew an amount of money from his bank account. He spent one fourth for gasoline and had \$90 left. How much money did he withdraw?