

Solving Multi-Step Equations with the Variable on One Side

Solve each equation. Then check your solution.

1) $5n + 6 = -4$

2) $-63 = 7g - 14$

3) $3 - \frac{a}{7} = -2$

4) $\frac{m}{-5} + 6 = 31$

5) $-3d - 1.2 = 0.9$

6) $\frac{p}{-7} - 0.5 = 1.3$

7) $7 + 3c = -11$

8) $\frac{c}{-3} + 5 = 7$

9) $-9 - \frac{p}{4} = 5$

10) $\frac{17-s}{4} = -10$

11) $-2.5r - 32.7 = 74.1$

12) $3.5x + 5 - 1.5x = 8$

13) $15 = 4a - 5$

14) $\frac{y}{5} + 9 = 6$

15) $\frac{t}{8} - 6 = -12$

16) $\frac{-3j - -4}{-6} = 12$

17) $-0.6 - 4a = -1.4$

18) $\frac{9z + 4}{5} - 8 = 5.4$

19) Joe's Bikes rents bikes for \$10 plus \$3 per hour. Elisa paid \$28 to rent a bike. For how many hours did she rent the bike?

20) For a field trip 27 students rode in cars and the rest filled five buses. How many students were in each bus if 297 students were on the trip?

21) Joe had some candy to give to his five children. He first took eight pieces for himself and then evenly divided the rest among his children. Each child received three pieces. With how many pieces did he start?

22) Imani was going to sell all of her stamp collection to buy a video game. After selling half of them she changed her mind. She then bought fourteen more. How many did she start with if she now has 42?