Solve.

1. \(2x + 5x + 4 = 25\)
   
2. \(9 + 3y - 2y = 14\)
   
3. \(16 = 4w + 2w - 2\)

4. \(26 = 3b - 2 - 7b\)

5. \(31 + 4t - t = 40\)

6. \(14 - 2x + 4x = 20\)

7. \(\frac{5m}{8} - \frac{6}{8} + \frac{3m}{8} = \frac{2}{8}\)

8. \(-\frac{4}{3} = \frac{2n}{3} + \frac{1}{3} + \frac{n}{3}\)

9. \(7a + 16 - 3a = -4\)

10. \(\frac{x}{2} + 1 + \frac{3x}{4} = -9\)

11. \(7m + 3 - 4m = -9\)

12. \(\frac{2x}{5} + 3 - \frac{4x}{5} = \frac{1}{5}\)

13. \(\frac{7k}{8} - \frac{3}{4} - \frac{5k}{16} = \frac{3}{8}\)

14. \(6y + 9 - 4y = -3\)

15. \(\frac{5a}{6} - \frac{7}{12} + \frac{3a}{4} = -2 \frac{1}{6}\)

16. The measure of an angle is \(28^\circ\) greater than its complement. Find the measure of each angle.

17. The measure of an angle is \(21^\circ\) more than twice its supplement. Find the measure of each angle.

18. The perimeter of the triangle is 126 units. Find the measure of each side.

19. The base angles of an isosceles triangle are congruent. If the measure of each of the base angles is twice the measure of the third angle, find the measure of all three angles.
1. The measure of an angle is 21° more than twice its supplement.

2. The perimeter of the triangle is 126 units.

3. Divide by 2.

4. Takeo and Manuel drove to a baseball game together. The ticket cost $10.50 each and parking was $6. Popcorn cost $2.25 a box and each of the boys bought a box of popcorn. Takeo bought 1 drink and Manuel bought 2 drinks. The baseball game and the snacks cost the boys a total of $39.75. How much does each man have?

5. Paoli has $12, and Marc has $20. The take-home pay for rent, $3, monthly take-home pay if she deposits $546 in her savings account, insurance and $5 for entertainment. What is Mrs. Lincoln's monthly take-home pay if she deposits $546 in her savings account?

Copyright © by Holt, Rinehart and Winston. All rights reserved.