

Unit 27 Practice Problems

Solve the following equations and check your answers.

1) $3x - 7 = 38$

2) $5x + 6 = 41$

3) $\frac{n}{6} + 8 = 20$

4) $\frac{3}{4}x - 6 = 3$

5) $5x + 2x = 21$

6) $8m - 5m = 15$

7) $5n + 2n - 3 = 18$

8) $6z + 5 + 2z = 29$

9) $8y = 3y + 25$

10) $6n - 3 = n + 32$

11) $5z + 7 + 2z = 3z + 19$

12) $3(x + 1) = 15$

13) $5(2x + 3) = 55$

14) $4(3y - 5) + 3 = 4y + 15$

15) Bill and Chris spent \$128 on school clothes. Chris spent \$12 more than Bill. How much did each spend? Hint: x = Bill's spending.

16) Three numbers add to 100. The second number is 4 larger than the first and the third number is twice the first. Find the numbers. Hint: x = first number.

Note: When solving problems like 15 and 16, make x the lowest unknown value.

Unit 27 answers are on page 239.

Unit 27 additional practice problems are on page 182.