

Practice 2-5

Solving Equations by Adding or Subtracting

Use mental math to solve each equation.

1. $-52 = -52 + k$ _____

2. $837 = p + 37$ _____

3. $x - 155 = 15$ _____

4. $180 = 80 + n$ _____

5. $2,000 + y = 9,500$ _____

6. $81 = x - 19$ _____

7. $111 + f = 100$ _____

8. $w - 6 = -16$ _____

Solve each equation.

9. $m - 17 = -8$ _____

10. $k - 55 = 67$ _____

11. $-44 + n = 36$ _____

12. $-36 = p - 91$ _____

13. $x - 255 = 671$ _____

14. $19 = c - (-12)$ _____

15. $x + 14 = 21$ _____

16. $31 = p + 17$ _____

17. $-19 = k + 9$ _____

18. $87 + y = 19$ _____

19. $36 + n = 75$ _____

20. $-176 = h + (-219)$ _____

21. $41 + k = 7$ _____

22. $1,523 + c = 2,766$ _____

23. $-88 + z = 0$ _____

24. $-33 + (-7) = 29 + m$ _____

25. $t + (-2) = -66$ _____

26. $-390 + x = 11 - 67$ _____

27. The combined enrollment in the three grades at Jefferson Middle School is 977. There are 356 students in the seventh grade and 365 in the eighth grade. Write and solve an equation to find how many students are in the ninth grade.

Equation _____

Solution _____