Name:_____ Date:_____ Period:_____

Writing Equations From Context

Match the statement with the correct equation.

1. A number plus 11 is 14. _____
2. A number n divided by 7 is 2. _____
3. A number n times 11 is 22.
4. Seven is the difference between a number and fourteen. _____
5. Seven less than a number n is 14. _____
6. A number plus twelve is 17. _____
7. A number increased by nine is fifteen. _____
8. Four less than a number is twenty. _____
9. A number divided by six is eight. _____
10. Zach is x years old. In thirteen years he will be twenty-four years old. _____

a. $x + 13 = 24$ b. $x + 9 = 15$ c. $x \div 6 = 8$ d. $x - 4 = 20$

e. $n + 11 = 14$ f. $x \div 7 = 2$ g. $n - 7 = 14$ h. $11n = 22$

i. $7 = n - 14$ j. $n + 12 = 17$

Write an equation for each statement, then solve (show your work).

1. The sum of 63 and some number is 82.
   Equation=_____ Solve:

2. Nine times a number is 54.
   Equation=_____ Solve:

3. Fifty-two divided by a number equals 4.
   Equation=_____ Solve:

4. A number divided by 8 equals 12.
   Equation=_____ Solve:

Solving Equations

1. $118 = k + 70$ 2. $r + 23 = 56$ 3. $4b = 36$

4. $10 = 2m$ 5. $5x = 30$ 6. $60 = t - 18$

7. $22 = u - 33$ 8. $99 + f = 183$ 7. $90 + g = 177$

8. $j - 38 = 36$ 9. $26 + q = 65$ 10. $102 = n + 8$

11. $57 = k - 42$ 12. $9n = 36$ 13. $d + 65 = 81$

14. $w - 14 = 72$ 15. $116 = r + 43$ 16. $64 = 8 \div a$

17. $109 = f + 82$ 18. $x \div 6 = 9$ 19. $108 = 89 + y$

20. $5a = 20$ 21. $h - 29 = 26$ 22. $w \div 7 = 25$

23. $42 = t - 31$ 24. $u + 27 = 69$ 25. $p \div 19 = 8$