

Solving Equations: $x + b = c$

Directions Find the integer solution to each equation.
Check your answer.

1. $a + (-1) = 1$ _____
2. $x + (-9) = 3$ _____
3. $d + (-3) = 0$ _____
4. $n + (-5) = 10$ _____
5. $q + (-4) = 10$ _____
6. $b + (-18) = 40$ _____
7. $m + (-3) = 15$ _____
8. $y + (-14) = 14$ _____
9. $c + (-11) = 6$ _____
10. $j + (-99) = 1$ _____
11. $x + (-999) = 1$ _____

Directions Solve the problems.

12. The Anderson family travels 835 miles on their vacation, 245 miles farther than the Merida family travels on theirs. How far do the Meridas travel on vacation?

13. In a sale, Teresa buys a modem for her computer. The original price was \$189.99 and the discount is \$29.49. How much does Teresa pay?

14. At the trading card fair, Zack trades 9 basketball cards. He trades 5 more cards than Paulo does. How many cards does Paulo trade?

15. Hussein has a camera with a roll of film that takes 36 pictures. He knows that the roll still has 14 pictures left to take. How many photos has Hussein already taken on this roll?

Solving Multiplication Equations

Directions Write an equation for each statement. Then solve the equation.

1. A number m multiplied by 5 is 45. _____
2. A number d multiplied by 4 is 48. _____
3. A number a multiplied by 9 is -45 . _____
4. A number j multiplied by 2 is -8 . _____
5. A number k multiplied by -6 is 30. _____
6. A number n multiplied by 10 is 500. _____

Directions Solve the problems.

7. Oak School has 6 times as many students as Maple School has. If Oak School has 780 students, how many does Maple School have?

8. An oil company has drilled to a depth of 5,200 m at oil well A-1. This well is 4 times as deep as the company's oil well B-1. How deep is well B-1?

9. Mr. Trong has his own company that creates web sites for the Internet. This year, the company has already created 279 Web sites, exactly 3 times the company's total for last year. How many Web sites did Mr. Trong's company create last year?

10. Nina is recovering from the flu. Her temperature this morning is 99.8°F , 3.1 degrees down from its peak two days ago. What was Nina's high temperature then?
