Algebra 1   Opening Day   Fall 2014   NO CALCULATOR

Write a variable expression for each statement.

1. The sum of five and a number.

2. The product of a number and three.

3. The difference of a number and seven.

4. The quotient of six and a number.

5. Four more than a number.

6. Eight less than a number.

7. Nine more than twice a number.

8. The product of ten and the quantity four minus a number.

Write an algebraic equation to model each situation. Define your variables.

9. The number of pennies in an unknown number of dollars.

10. The number of feet in an unknown number of inches.

Simplify each using the Order of Operations without using a calculator.

11. $6 + -8 =$

12. $-4 + -2 =$

13. $-1 - 5 =$

14. $3 - -7 =$

15. $-9 - -2 =$

16. $(-2)(5) =$

17. $(-3)(-4) =$

18. $10 - 6 + 2 =$

19. $24 \div 4 \cdot 3 =$

20. $3 + 4(6 - 1) =$

21. $10(7 - 4)^2 =$