Writing algebraic expressions

Grade 5 Pre-Algebra Worksheet

Write an expression using a variable to represent each situation.

1. Seven increased by a twice of n   _____

2. a decreased by 8   _____

3. 4 more than five times k   _____

4. m less than sixteen   _____

5. Sixteen less than m   _____

6. j divided by 8   _____

7. Five times the product of b and c   _____

8. Sixty-three less than x   _____

9. Two more than the product of 3 and m   _____

10. Three-fourths of f   _____

11. The sum of 4 and the quotient of b and 3   _____

12. The quotient of 3 and the sum of 5 and k   _____

13. The product of 4 and square of y   _____

14. 21 less than the product of 3 and y   _____

15. Eleven decreased by the product of 5 and d   _____

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Write an expression using a variable to represent each situation.

1. Seven increased by a twice of n $\quad\quad\quad\quad$ $\underline{7 + 2n}$

2. a decreased by 8 $\quad\quad\quad\quad$ $\underline{a - 8}$

3. 4 more than five times k $\quad\quad\quad\quad$ $\underline{5k + 4}$

4. m less than sixteen $\quad\quad\quad\quad$ $\underline{16 - m}$

5. Sixteen less than m $\quad\quad\quad\quad$ $\underline{m - 16}$

6. j divided by 8 $\quad\quad\quad\quad$ $\underline{\dfrac{j}{8}}$

7. Five times the product of b and c $\quad\quad\quad\quad$ $\underline{5bc}$

8. Sixty-three less than x $\quad\quad\quad\quad$ $\underline{x - 63}$

9. Two more than the product of 3 and m $\quad\quad\quad\quad$ $\underline{3m + 2}$

10. Three-fourths of f $\quad\quad\quad\quad$ $\dfrac{3}{4}f$

11. The sum of 4 and the quotient of b and 3 $\quad\quad\quad\quad$ $4 + \dfrac{b}{3}$

12. The quotient of 3 and the sum of 5 and k $\quad\quad\quad\quad$ $\dfrac{3}{5+k}$

13. The product of 4 and square of y $\quad\quad\quad\quad$ $\underline{4y^2}$

14. 21 less than the product of 3 and y $\quad\quad\quad\quad$ $\underline{3y - 21}$

15. Eleven decreased by the product of 5 and d $\quad\quad\quad\quad$ $\underline{11 - 5d}$