

Write an algebraic expression for the following:

1. 3 plus the product of 2 and h. 1. _____
2. One third of m increased by 2. 2. _____
3. One third of the sum of 2 and m. 3. _____
4. 11 more than the quotient of y and 5. 4. _____
5. 5 less m 5. _____
6. 5 less than m 6. _____
7. Twice a number n minus 5 7. _____
8. A number y squared divided by a number g cubed plus 2 8. _____
9. A number y squared divided by the sum of a number g cubed and 2 9. _____
10. The product of 2 and x cubed 10. _____
11. The cube of the product of 2 and x 11. _____

Write an equation or inequality for the following:

12. Fifteen less than a number c is forty-five. 12. _____
13. 15 is less than a number c decreased by 45. 13. _____
14. The sum of t and 2 is equal to 5 less t. 14. _____
15. 3 less than m is 4 less x 15. _____

Evaluate the following (show all of your thinking or steps AND circle your final answer for #18-25)

16. -3^2 _____
17. $(-3)^2$ _____
18. $7 + 2(3)$
19. $5 \div 5(3)$.
20. $50 - 3^2 \cdot 4 + 13$
21. $2^3 \div 8 + 4$

22. $\frac{7(6-5)}{3+6(3)}$

23. Evaluate: $a(4b + c^2)$ if $a = \frac{1}{2}$, $b = 4$, and $c = -3$.

24. Evaluate: $3x^2$ if $x = -4$.

25. Evaluate: $(3x)^2$ if $x = -4$.