



Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Math Worksheet for 6th Grade

Evaluating expressions word problems

1. The morning temperature is t degrees. In the afternoon it rises by 7 degrees. If $t = 9$, what is the temperature then?
2. The temperature drops by 5 degrees from t . If $t = 3$, what is the new temperature?
3. The forecast says the temperature will double: $2t$. If $t = 6$, what is the result?
4. A temperature t is divided equally between two rooms: $\frac{t}{2}$. If $t = 14$, what is each room's temperature?
5. The current temperature is t and it will increase by 12 degrees. If $t = -4$, what will the temperature be?
6. Tonight's temperature is 3 degrees more than t : $t + 3$. If $t = 2$, what is tonight's temperature?
7. Evening temperature is 8 degrees less than m : $m - 8$. If $m = 18$, what is the evening temperature?
8. The temperature rises by 4 in the morning and then falls by 6 by evening: $t + 4 - 6$. If $t = 10$, what is the evening temperature?
9. Three times the temperature is $3t$. If $t = 7$, what is $3t$?
10. At night the temperature falls to one-third: $\frac{t}{3}$. If $t = 15$, what is the night temperature?
11. Two degrees less than t is $t - 2$. If $t = 0$, what is the result?
12. Twice the temperature plus 5 is $2t + 5$. If $t = 4$, what is the value?
13. Three times t minus 4 is $3t - 4$. If $t = 3$, what is the value?
14. The opposite of the temperature is $-t$. If $t = -6$, what is $-t$?
15. The average of t and 10 is $(t + 10)/2$. If $t = 8$, what is the average?
16. Temperature increases by 1 degree each hour for 3 hours: $t + 3$. If $t = 5$, what is the temperature after 3 hours?
17. Temperature doubled then plus 1: $2t + 1$. If $t = 4$, what is the result?
18. Three less than twice t is $2t - 3$. If $t = 7$, what is the value?
19. A cube with side s has volume s^3 . If $s = 3$, what is the volume?
20. Volume s^3 with $s = 4$. What is the volume?
21. The cube of n is n^3 . If $n = 2$, what is n^3 ?
22. If $n = 5$, what is n^3 ?
23. Three times the cube of s is $3s^3$. If $s = 2$, what is $3s^3$?
24. Two identical cubes have total volume $2x^3$. If $x = 3$, what is the total volume?
25. The cube of p is p^3 . If $p = -2$, what is p^3 ?
26. The volume after increasing side by 1 is $(s + 1)^3$. If $s = 2$, what is the volume?
27. If $n = 0$, what is n^3 ?
28. If $e = 1$, what is e^3 ?
29. Cube of y minus 5 is $y^3 - 5$. If $y = 3$, what is the value?
30. Sum of cubes $a^3 + b^3$. If $a = 1$ and $b = 2$, what is the sum?
31. Three less than the cube $n^3 - 3$. If $n = 4$, what is the value?



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32. If $n = 6$, what is $n^{3^?}$
33. Two plus the cube $2 + s^3$. If $s = 3$, what is the value?
34. If $t = \frac{1}{2}$, what is $t^{3^?}$
35. If $x = 5$, what is $x^{2^?}$
36. If $x = 3$, what is $2x^{2^?}$
37. If $x = 2$, what is $x^{3^?}$
38. If $y = 2$, what is $3y^?$
39. If $x = 2$, what is $(x + 1)^{2^?}$
40. If $x = 3$, what is $4^2 + x$?
41. If $y = 7$, what is $5^2 - y$?
42. If $x = 3$, what is $2^{x^?}$
43. If $x = 6$, what is $x^2 - 4$?
44. If $x = 2$, what is $(2x)^{2^?}$
45. If $x = 3$, what is $x^3 + 1$?
46. If $y = 2$, what is $10 - 3y^?$
47. If $x = 5$, what is $(x - 2)^{2^?}$
48. If $y = 2$, what is $y^{4^?}$
49. If $x = 1$, what is $2^4 + x$?
50. If $a = 1$, what is $(3 + a)^{2^?}$