



Name: \_\_\_\_\_

## Math Worksheet for 6th Grade

### Writing basic algebraic expressions word problems

Due Date: \_\_\_\_\_

Teacher: \_\_\_\_\_

Parent Sign: \_\_\_\_\_

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1. A number increased by 5.
2. Five less than a number.
3. The product of 4 and a number.
4. A number divided by 2.
5. Twice a number.
6. Three times a number decreased by 4.
7. Four more than three times a number.
8. The sum of a number and 9.
9. Eight less than twice a number.
10. One-third of a number.
11. The difference between a number and 6.
12. Seven added to the product of 5 and a number.
13. The number of pencils,  $x$ , plus 12.
14. Each ticket costs \$3. The cost of buying  $x$  tickets.
15. A rectangle's width is  $x$  and its length is 4 more than the width. Write an expression for the length.
16. You saved \$10 and then saved  $x$  more dollars. Total saved?
17. A baker uses 6 eggs for each batch. How many eggs for  $x$  batches?
18. A car travels  $x$  miles per hour for 3 hours. Total miles?
19. Karen has  $x$  stickers and gives away 7. How many does she have left?
20. Double the sum of a number and 4.
21. Subtract 5 from twice a number.
22. Five more than twice a number.
23. Half of a number decreased by 3.
24. Three less than the quotient of a number and 4.
25. The total cost if apples cost \$2 each and you buy  $x$  apples.
26. A number times 7, then add 6.
27. The perimeter of a square with side length  $x$ .
28. Three more than one-fifth of a number.
29. The difference between 20 and a number.
30. Four times a number decreased by 2.
31. Sara's age is  $x$ . Her brother is 3 years older. Brother's age?
32. Total pages read if you read  $x$  pages each day for 7 days.



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33. If each box holds 6 cupcakes, write an expression for the number of boxes for  $x$  cupcakes.
34. Seven times a number.
35. Two fewer than three times a number.
36. Four added to half of a number.
37. If each pencil costs 4 cents, the cost of  $x$  pencils (in cents).
38. If you score  $x$  points and get 5 bonus points, total points?
39. The total weight if each bag weighs 8 kg and there are  $x$  bags.
40. Three times the sum of a number and 2.
41. If you save \$5 each week for  $x$  weeks, total saved?
42. A number minus its double.
43. The sum of the number  $x$  and its triple.
44. Twenty decreased by half of a number.
45. Four times the difference of a number and 1.
46. Twice the number subtracted from 10.
47. A number increased by one-fifth of itself.
48. Each pencil costs \$0.25. The cost of  $x$  pencils (in dollars).
49. A train travels  $x$  km each hour for 6 hours. Distance traveled?
50. Three less than the product of 4 and a number.