

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Sub-topic 1 — Writing basic expressions with variables

1. Write an expression for: a number n increased by 7.
2. Write an expression for: seven more than a number x .
3. Write an expression for: the sum of a number n and 12.
4. Write an expression for: twice a number x .
5. Write an expression for: three times a number m .
6. Write an expression for: six times a number t .
7. Write an expression for: ten times a number p .
8. Write an expression for: a number a plus itself.
9. Write an expression for: half of a number n .
10. Write an expression for: a number x divided by 4.

Sub-topic 2 — Writing algebraic subtraction expressions

11. Write an expression for: a number n decreased by 5.
12. Write an expression for: five less than a number x .
13. Write an expression for: ten fewer than a number m .
14. Write an expression for: the difference of a number n and 3.
15. Write an expression for: seven subtracted from a number x .
16. Write an expression for: the result when 4 is taken away from a number p .
17. Write an expression for: six less than twice a number n .
18. Write an expression for: two times a number x minus 3.
19. Write an expression for: a number n minus itself.
20. Write an expression for: the difference between 12 and a number x .

Sub-topic 3 — Writing expressions with variables (combined operations)

21. Write an expression for: three more than twice a number n .
22. Write an expression for: five added to three times a number x .
23. Write an expression for: four times a number m decreased by 6.
24. Write an expression for: a number n divided by 2 plus 7.
25. Write an expression for: seven less than three times a number x .
26. Write an expression for: the product of 5 and a number a plus 2.
27. Write an expression for: double a number n plus 10.
28. Write an expression for: a number x times 9 minus 4.
29. Write an expression for: half of a number m plus three.



Math Worksheet for 6th Grade

Writing algebraic expressions introduction

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30. Write an expression for: the quotient of a number n and 5 increased by 6.

Sub-topic 4 — Writing expressions with parentheses

31. Write an expression for: three times the sum of a number n and 4.

32. Write an expression for: two times the sum of n and 5.

33. Write an expression for: four times the quantity y minus 3.

34. Write an expression for: five times the sum of a number x and 2.

35. Write an expression for: twice the sum of a number n and 6.

36. Write an expression for: three times the difference between a number x and 1.

37. Write an expression for: six multiplied by the quantity of a number m plus 7.

38. Write an expression for: two times the quantity of a number n minus 4.

39. Write an expression for: eight times the sum of m and 0.

40. Write an expression for: the product of 3 and the sum of 2 and a number x .

Sub-topic 5 — Writing expressions with variables & parentheses (mixed)

41. Write an expression for: twice the sum of a number n and 5.

42. Write an expression for: three times the sum of a number x and 2.

43. Write an expression for: the difference of 10 and the product of 2 and a number n .

44. Write an expression for: four times the sum of a number a and 3.

45. Write an expression for: five less than the product of 3 and a number x .

46. Write an expression for: the product of 2 and the difference of a number n and 3.

47. Write an expression for: three times the sum of 2 and a number x , then minus 4.

48. Write an expression for: four times the sum of a number n and 3, then add 2.

49. Write an expression for: two more than three times the sum of a number x and 1.

50. Write an expression for: the sum of twice a number x and three times another number y .