

Chapter 3 Section 4: From Words to Algebraic Expressions

Problems

Under each word expression, write the corresponding algebraic expression in standard form.

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|---|--|--|
| 1. M plus 4
_____ | 2. M minus 4
_____ | 3. M divided by 4
_____ |
| 4. M times 4
_____ | 5. r decreased by 1
_____ | 6. s increased by 2
_____ |
| 7. The sum of 9 and $2t$
_____ | 8. 6 decreased by $3s$
_____ | 9. 7 fewer than n^2
_____ |
| 10. The total of t^3 and 5
_____ | 11. ab multiplied by -3
_____ | 12. One-fifth of $2R$
_____ |
| 13. Q subtracted from 18
_____ | 14. B times the sum of 15 and x
_____ | 15. The quotient 9 divided by N
_____ |
| 16. pq multiplied by -4
_____ | 17. t more than $6r$
_____ | 18. Three-fourths of A
_____ |
| 19. The product of $2a$ and $3r$
_____ | 20. s less than $3Y$
_____ | 21. A sixth part of $2 + y$
_____ |
| 22. Nine-fifths of C , plus 32
_____ | 23. h times bw
_____ | 24. 16 fewer than $2b^2$
_____ |
| 25. 45 less than $9as$
_____ | 26. The sum of $2L$ and $2H$
_____ | 27. b^2 minus $4ac$
_____ |
| 28. $2T$ divided by L
_____ | 29. $m + n$ multiplied by 13
_____ | 30. 16 more than $-2ax$
_____ |

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|--|---|--|
| 31. pq added to $-5r$ | 32. -43 multiplied by $2xt$ | 33. The total of $2R^3$ and $3s^2$ |
| | | |
| 34. The quotient $2A + 2B$, divided by C | 35. $-3m$ increased by $2n$ | 36. $4r$ subtracted from $5MN$ |
| | | |
| 37. Five-sixths of $-7xy$ | 38. The product of $-42A$ and $3DW$ | 39. 3 times x , plus 4 |
| | | |
| 40. -4 less than $8x$ | 41. 7.5 less than the product of $3a$ and $2b$ | 42. 16.4 plus the quotient $8n$ divided by $4m$ |
| | | |
| 43. $2s$ plus $4c$, divided by 5 | 44. x multiplied by $2x$, decreased by 9 | 45. E minus m times c^2 |
| | | |

Write an algebraic equation or inequality for each of the following.

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|---|--|
| 46. 3 plus m is equal to 24. | |
| 47. 12 less than the product of 4 and a number is equal to 5 times the number. Use x for the variable. | |
| 48. The product of 5 and $m + 7$ is less than 13. | |
| 49. The quotient of 17 and $2t$ is equal to the product of 4 and t . | |
| 50. 3 plus k is greater than 17 minus k . | |
| 51. The product of 2 and H is less than or equal to H plus 10. | |
| 52. T minus 3, divided by 5, is greater than or equal to T plus 4, divided by 7. | |