

Writing Algebraic Expressions

Algebraic expressions help us make calculations easier and solve problems more efficiently.

GENTLE START

Write the algebraic expression.

- | | |
|---------------------------------|------------------------------------|
| 1 The sum of p and four _____ | 5 A product of y and three _____ |
| 2 Five less than x _____ | 6 Five decreased by p _____ |
| 3 Eight times y _____ | 7 Two more than z _____ |
| 4 Half of d _____ | 8 y doubled _____ |

STEADY CLIMB

- | | |
|---|-------|
| 9 Six multiplied by a number and decreased by two | _____ |
| 10 A number divided by three and decreased by one | _____ |
| 11 Eleven times a number plus five | _____ |
| 12 The difference of ten and 2 times a number | _____ |

PEAK CHALLENGE

- | | |
|--|-------|
| 13 A number plus eight is equal to twenty-four | _____ |
| 14 Twice a number increased by three equals eleven | _____ |
| 15 Four times a number minus five equals sixteen | _____ |
| 16 The sum of a number and eight, divided by two | _____ |

Writing Algebraic Expressions

Algebraic expressions help us make calculations easier and solve problems more efficiently.

GENTLE START

Write the algebraic expression.

- | | |
|--|---|
| 1 The sum of p and four <u>$p + 4$</u> | 5 A product of y and three <u>$3y$</u> |
| 2 Five less than x <u>$x - 5$</u> | 6 Five decreased by p <u>$5 - p$</u> |
| 3 Eight times y <u>$8y$</u> | 7 Two more than z <u>$z + 2$</u> |
| 4 Half of d <u>$\frac{1}{2}d$ or $\frac{d}{2}$</u> | 8 y doubled <u>$2y$</u> |

STEADY CLIMB

- | | |
|---|-------------------------------------|
| 9 Six multiplied by a number and decreased by two | <u>$6x - 2$</u> |
| 10 A number divided by three and decreased by one | <u>$\frac{x}{3} - 1$</u> |
| 11 Eleven times a number plus five | <u>$11x + 5$</u> |
| 12 The difference of ten and 2 times a number | <u>$10 - 2x$</u> |

PEAK CHALLENGE

- | | |
|--|-------------------------------------|
| 13 A number plus eight is equal to twenty-four | <u>$x + 8 = 24$</u> |
| 14 Twice a number increased by three equals eleven | <u>$2x + 3 = 11$</u> |
| 15 Four times a number minus five equals sixteen | <u>$4x - 5 = 16$</u> |
| 16 The sum of a number and eight, divided by two | <u>$\frac{x + 8}{2}$</u> |