

Algebraic Expressions Worksheet 1

Name _____

Period _____

Express each phrase as an algebraic expression.

- (1) 6 less than a number k multiplied by 25
- (2) 12 times the sum of a number v and 41
- (3) 4 more than the difference of 12 and a number j
- (4) 7 less than the product of 30 and a number r
- (5) half the quotient of 4 and a number y
- (6) 8 plus 43 less than a number w
- (7) 3 less than the difference of 15 and a number u
- (8) the difference of 36 and a number h
- (9) sum of 23 and a number x
- (10) 4 more than the quotient of 24 and a number m
- (11) 5 plus the product of 39 and a number e
- (12) 8 times the sum of a number z and 3
- (13) 7 plus a number d less than 37
- (14) 11 times the sum of a number z and 3
- (15) 3 less than the product of a number g and 49
- (16) 11 times the product of 19 and a number g
- (17) a fifth of the sum of number a and 34
- (18) 9 more than the quotient of 14 and a number n

Algebraic Expressions Worksheet 2

Name _____

Period _____

Express each phrase as an algebraic expression.

- (1) 8 less than 25 multiplied by a number q
- (2) 7 more than the quotient of 26 and a number d
- (3) 3 more than the difference of 20 and a number m
- (4) A number x plus 45
- (5) A fifth of the product of a number x and 8
- (6) 9 more than a number w
- (7) 4 times the sum of 41 and a number h
- (8) 5 less than the quotient of a number u and 15
- (9) 7 less than the difference of 22 and a number e
- (10) 5 times the sum of a number u and 15
- (11) 3 plus the product of 35 and y
- (12) 3 plus 27 less than a number q
- (13) 7 times the product of a number c and 7
- (14) 6 more than the quotient of a number d and 12
- (15) 8 plus a number y increased by 38
- (16) 4 more the quotient of a number d and 12
- (17) Add a number j to 33
- (18) 11 less than the difference of 19 and a number k
- (19) 8 times the product of 28 and a number g
- (20) 11 less than 43 times a number r

- (21) Difference of a number n and 17
- (22) 3 plus the product of 37 and a number p
- (23) 11 less than the sum of a number v and 23
- (24) Half the product of a number t and 48
- (25) 11 more than the difference of a number f and 18
- (26) 2 more than the quotient of a number b and 6
- (27) a fourth of the difference of 10 and a number a
- (28) 4 less than the sum of 29 and a number u
- (29) 10 plus 5 times the number x
- (30) 3 times the quotient of 39 and a number n
- (31) 10 less than a number j multiplied by 44
- (32) 2 plus 40 more than a number x
- (33) 13 times a number p
- (34) 11 less than the product of 47 and a number e
- (35) 4 times the sum of a number f and 46
- (36) The product of 4 and a number g

Express each phrase as an algebraic expression.

- (1) 5 less than the difference of a number f and 35
- (2) 6 less than the quotient of 2 and a number f
- (3) The quotient of a number p and 38
- (4) 4 more than the difference of a number x and 10
- (5) 9 plus the product of 47 and a number c
- (6) The product of 44 and a number y
- (7) 40 divided by a number c
- (8) 10 plus 21 increased by a number k
- (9) 11 times the product of 31 and a number p
- (10) 3 more than the sum of 32 and a number d
- (11) 11 less than 5 times a number g
- (12) 5 less than the quotient of a number e and 33
- (13) 10 plus the product of 48 and a number x
- (14) Subtract a number m from 45
- (15) 9 less than the sum of a number u and 20
- (16) One-third of the product of 13 and a number n
- (17) 10 more than the difference of a number h and 27
- (18) 7 times the difference of 17 and a number b

Algebraic Expressions Worksheet 3

Answer Key

- (1) $(f - 35) - 5$
- (2) $\frac{2}{f} - 6$
- (3) $\frac{p}{38}$
- (4) $(x - 10) + 4$
- (5) $9 + 47c$
- (6) $44y$
- (7) $\frac{40}{c}$
- (8) $10 + (21 + k)$
- (9) $11(31p)$
- (10) $(32 + d) + 3$
- (11) $5g - 11$
- (12) $\frac{e}{33} - 5$
- (13) $10 + 48x$
- (14) $45 - m$
- (15) $(u + 20) - 9$
- (16) $\frac{1}{3}(13n)$
- (17) $(h - 27) + 10$
- (18) $7(17 - b)$

There is more than one correct way to write some of these answers. ASK if you are unsure!