

Name : _____

Score : _____

Translating Phrases

Translate each verbal phrase into an algebraic expression:

1) The sum of x and 2

2) t divided by 8

3) The product of 9 and m

4) Subtract 5 from c

5) Combine y and 7

6) Three-sevenths of h

7) 3 multiplied by d

8) One-quarter added to n

9) b decreased by 10

10) One-half of k

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Translate Algebraic Expressions

1) 8 is subtracted from three-fifths of x

2) Take away 7 from 8 times x

3) 9 divided by f

4) 6 minus n

5) One-third of g is subtracted from 6

6) Sum of x and 4

7) 5 is added to two-thirds of h

8) One-sixth of the sum of 6 and c

9) 3 is subtracted from x

10) Product of 5 and h



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Translate Algebraic Expressions

1) 4 times p

2) 3 divided by q

3) Sum of 5 and k

4) 9 minus k

5) 5 less than c

6) Take away 4 from w

7) 6 is subtracted from w

8) p is added to 2

9) k divided by 2

10) Product of 8 and c

Why Did the Cow Keep Jumping Over the Barrel?

Translate each phrase below into an algebraic expression and find your answer in the corresponding answer column. Write the letter of that exercise in the box that contains the number of the answer.

ALGEBRA WITH PIZZAZZ!
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OBJECTIVE 1-j: To translate English phrases into algebraic expressions.

- (E) 3 times a number
- (O) 3 more than a number
- (S) 3 decreased by a number
- (R) 3 less than a number
- (A) one third of a number
- (I) 8 more than 3 times a number
- (N) 8 less than 3 times a number

- (18) $x + 3$
- (15) $3x - 8$
- (19) $x - 3$
- (12) $3x + 8$
- (3) $3x$
- (25) $3 - x$
- (5) $\frac{x}{3}$

- (S) 5 times a number, increased by 8
- (A) 5 times the sum of a number and 8
- (H) 5 more than 8 times a number
- (O) 8 times the sum of a number and 5
- (C) twice the sum of 5 times a number and 8
- (T) 2 more than five eighths of a number
- (W) 8 times the sum of twice a number and 5

- (22) $8(x + 5)$
- (4) $8(2x + 5)$
- (2) $8x + 5$
- (13) $2(5x + 8)$
- (6) $5x + 8$
- (20) $5(x + 8)$
- (11) $\frac{5}{8}x + 2$

- (A) 7 less than 4 times a number
- (S) 7 decreased by 4 times a number
- (G) 9 less than twice a number
- (N) 9 decreased by twice a number
- (O) 9 less than half a number
- (I) 7 times a number, increased by 4
- (R) 7 times a number, increased by 4 times the number

- (1) $7 - 4x$
- (16) $2x - 9$
- (14) $7x + 4$
- (9) $4x - 7$
- (8) $7x + 4x$
- (24) $9 - 2x$
- (27) $\frac{x}{2} - 9$

- (T) 9 meters higher than altitude x
- (F) 15 meters per second slower than speed x
- (P) 15°C hotter than temperature x
- (O) 9 meters shorter than twice length x
- (C) 9 years older than twice age x
- (H) \$9 cheaper than 4 times price x
- (M) 9 centimeters less than three fourths of length x

- (7) $x + 15$
- (28) $x + 9$
- (26) $4x - 9$
- (23) $2x - 9$
- (10) $2x + 9$
- (17) $x - 15$
- (21) $\frac{3}{4}x - 9$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
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Translate Algebraic Expressions

1) z divided by 7

2) 2 times m

3) p is added to 3

4) 5 minus s

5) 5 less than h

6) 5 is subtracted from f

7) Take away 7 from w

8) 3 is added to d

9) Sum of p and 5

10) Sum of 3 and w



Translating Algebraic Phrases (A)

Instructions: Write an algebraic expression for each phrase.

a number decreased by ninety-two

the sum of eighty-nine and a number

a number added to thirty-six

the sum of a number and twenty-six

the difference between forty-six and a number

the sum of a number and forty-three

the quotient of twenty and a number

a number increased by sixty-five

the sum of seventy and a number

a number increased by eighteen

fifty-five times a number

fourteen times a number

a number increased by sixty-five

the sum of fifty-two and a number

seventy-five more than a number
