Name_____

Date_____

Period_____

Why Did	the Cow	Keep Jump	oing Over	the Barrel?
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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

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.

E	3 times a number	18	x + 3	S	5 times a number, increased by 8	22	8(x + 5)
ο	3 more than a number	15	3x - 8	A	5 times the sum of a number and 8	4	8(2x + 5)
S	3 decreased by a number	19	x - 3	н	5 more than 8 times a number	2	8x + 5
R	3 less than a number	12	3x + 8	o	8 times the sum of a number and 5	13	2(5x + 8)
Α	one third of a number	3	3x	с	Twice the sum of 5 times a number and 8	6	5x + 8
I	8 more than 3 times a number	25	3 - x	т	2 more than five eighths of a number	20	5(x + 8)
N	8 less than 3 times a number	5	x/3	w	8 times the sum of twice a number and 5	11	5/8x + 2
Α	7 less than 4 times a number	1	7 - 4x	т	9 meters higher than altitude x	7	x + 15
s	7 decreased by 4 times a number	16	2x - 9	F	15 meters per second slower than speed x	28	x + 9
G	9 less than twice a number	14	7x + 4	Р	15 degrees hotter than temperature x	26	5 4x - 9
N	9 decreased by twice a number	9	4x - 7	ο	9 meters shorter than twice length x	23	2x - 9
ο	9 less than half a number	8	7x + 4x	с	9 years older than twice age x	10) 2x + 9
I	7 times a number, increased by 4	24	9 - 2x	н	\$9 cheaper than 4 times price x	1	7 x - 15
R	7 times a number, increased by 4 times the number	27	x/2 - 9	м	9 centimeters less than three fourths of length x	2	2 1 3/4x - 9

1. Which algebraic expression represents 15 less than x divided by 9?

A.
$$\frac{x}{9} - 15$$
 C. $15 - \frac{x}{9}$

B. 9x - 15 D. 15 - 9x

2. Translate into an algebraic equation: *Two less than the product of five and x is thirteen.*

- A. 5(x 2) = 13 C. 2 5x = 13
- B. 5x + 2 = 13 D. 5x 2 = 13

3. Raquel earns \$150 per week at Forever 21 plus 15% commission on her total sales. Which of the following could represent an expression for Raquel's total sales?

- A. 150 + 0.15x C. 0.15 + 150x
- B. 150 + 15x D. 15 + 150x

4. The perimeter of a rectangular wooden deck is 90 feet. The deck's length, *I*, is 5 feet less than 4 times its width, *w*. Which expression represents the length of the deck?

- A. L = 5w 4 C. L = 4w 5
- B. L = 5w + 4 D. L = 4w + 5
- 5. Which verbal expression can be represented by 2(x 5)?
- A. 5 less than 2 times x C. 2 multiplied by x less than 5
- B. twice the difference of x and 5 D. the product of 2 and x, decreased by 5