

# 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.

- (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)  $15^\circ\text{C}$  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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----