

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	(18) $x + 3$	(S) 5 times a number, increased by 8	(22) $8(x + 5)$
(O) 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) $x - 3$	(H) 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) $2(5x + 8)$
(A) one third of a number	(3) $3x$	(C) twice the sum of 5 times a number and 8	(6) $5x + 8$
(I) 8 more than 3 times a number	(25) $3 - x$	(T) 2 more than five eighths of a number	(20) $5(x + 8)$
(N) 8 less than 3 times a number	(5) $\frac{x}{3}$	(W) 8 times the sum of twice a number and 5	(11) $\frac{5}{8}x + 2$

(A) 7 less than 4 times a number	(1) $7 - 4x$	(T) 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) $7x + 4$	(P) 15°C hotter than temperature x	(26) $4x - 9$
(N) 9 decreased by twice a number	(9) $4x - 7$	(O) 9 meters shorter than twice length x	(23) $2x - 9$
(O) 9 less than half a number	(8) $7x + 4x$	(C) 9 years older than twice age x	(10) $2x + 9$
(I) 7 times a number, increased by 4	(24) $9 - 2x$	(H) \$9 cheaper than 4 times price x	(17) $x - 15$
(R) 7 times a number, increased by 4 times the number	(27) $\frac{x}{2} - 9$	(M) 9 centimeters less than three fourths of length x	(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
S	H	E	W	A	S	P	R	A	C	T	I	C	I	N	G	F	O	R	A	M	O	O	N	S	H	O	T

What Did the Electrician Say After Fixing a Light Bulb at the Top of the Empire State Building?

Translate any phrase below into algebraic terms and find your answer in the corresponding answer column. Write the letter of the exercise in the box that contains the number of the answer. Keep working and you will discover the answer to the title question.

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|---|----------------------------------|----|----------|---|---|----|----------------|
| F | 5 more than 2 times a number | 27 | $5x - 2$ | W | 2 times a number, increased by 8 | 8 | $3(x + 8)$ |
| H | 7 less than 5 times a number | 11 | $7x + 2$ | I | 2 times the sum of a number and 8 | 28 | $3(2x + 8)$ |
| E | 5 times a number, decreased by 2 | 22 | $2 + 5x$ | A | 3 more than 8 times a number | 10 | $2(x + 8)$ |
| I | 2 diminished by 7 times a number | 19 | $2x + 5$ | G | 8 times the sum of a number and 3 | 24 | $8x + 3$ |
| S | 2 increased by 5 times a number | 6 | $2x - 7$ | E | 3 times the sum of a number and 8 | 3 | $2x + 8$ |
| T | twice a number, decreased by 7 | 7 | $5x - 7$ | H | two-thirds of a number | 15 | $8(x + 3)$ |
| G | 2 more than 7 times a number | 14 | $2 - 7x$ | R | 3 times the sum of twice a number and 8 | 20 | $\frac{2}{3}x$ |

- | | | | | | | | |
|---|---|----|---------------|---|--------------------------------------|----|----------|
| A | 9 less than a number | 16 | $9x + 4x$ | I | 10 meters higher than height x | 23 | $x - 50$ |
| I | 4 times a number, plus 9 | 4 | $x - 9$ | L | 10 mph slower than speed x | 1 | $x + 10$ |
| T | 9 diminished by 4 times a number | 2 | $9 - 4x$ | C | 50 meters deeper than depth x | 12 | $6x - 2$ |
| O | one-fourth of a number | 5 | $9x - 4$ | H | 50 mph faster than speed x | 25 | $2x + 6$ |
| S | 9 times a number, decreased by 4 | 26 | $9x + 4$ | T | 6 meters less than twice length x | 17 | $2x - 6$ |
| E | 4 more than 9 times a number | 21 | $4x + 9$ | R | 6 years older than twice age x | 13 | $x - 10$ |
| H | 9 times a number, increased by 4 times the number | 18 | $\frac{x}{4}$ | H | 2 years younger than 6 times age x | 9 | $x + 50$ |

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
I	T	N	A	S	T	H	E	H	I	G	H	L	I	G	H	T	O	F	H	I	S	C	A	R	E	E	R