

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 | 20 $\frac{2}{3}x$ |

and 8

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|--|-------------------------|---|--------------------|
| 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