PRE-ALGEBRA WITH PIZZAZZ!
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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.

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

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