

2. If you were choosing from these 3 plans, which would you choose? Think about how long you might be a member at the gym for. Explain your choice thoroughly using what you have learned from analyzing your tables and graph.

Why Does A Sheep Scratch Himself?

SIMPLIFY any expression below. Then EVALUATE for the given value(s) of the variable(s). Find the simplified expression in the answer column. Notice the letter next to it. Write this letter above the value of the expression which you will find at the bottom of the page. Keep working and you will discover the answer to the title question.



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|---|------------------|
| ① $3x + 7x + 2$ if $x = 6$ | ⑥ $10x + 13$ |
| ② $4y + 5 + 2y$ if $y = 3$ | ⑦ $4x + 5y + 8$ |
| ③ $9 + x + 4x$ if $x = 8$ | ⑧ $6x + 8y + 12$ |
| ④ $8y + 3 + 4y$ if $y = 4$ | ⑨ $8x + 8y + 12$ |
| ⑤ $9x + 5 + x + 8$ if $x = 7$ | ⑩ $10x + 2$ |
| ⑥ $4y + 8y + 6 + 2y$ if $y = 2$ | ⑪ $7x + 11y + 1$ |
| ⑦ $4x + 2y + 7x + 3$ if $x = 3, y = 4$ | ⑫ $6x + 4y + 15$ |
| ⑧ $8 + 3x + x + 5y$ if $x = 8, y = 5$ | ⑬ $5x + 9$ |
| ⑨ $9x + 6y + 5x + 4y$ if $x = 7, y = 9$ | ⑭ $6x + 8y + 7$ |
| ⑩ $8 + 6x + 4 + 8y$ if $x = 1, y = 6$ | ⑮ $6y + 5$ |
| ⑪ $3x + 2y + 4 + 9y$ if $x = 8, y = 4$ | ⑯ $12y + 3$ |
| ⑫ $4x + 5y + 7x + 5 + 2y$ if $x = 2, y = 3$ | ⑰ $11x + 2y + 3$ |
| ⑬ $9 + 8x + 3y + 3 + 5y$ if $x = 7, y = 5$ | ⑱ $3x + 11y + 4$ |
| ⑭ $x + 6x + 2y + 1 + 9y$ if $x = 6, y = 9$ | ⑲ $7x + 15y$ |
| ⑮ $6x + 2y + 5y + 7 + y$ if $x = 8, y = 1$ | ⑳ $14x + 10y$ |
| ⑯ $8x + 8y + x + 6y + 4x$ if $x = 1, y = 2$ | ㉑ $11x + 7y + 5$ |
| ⑰ $3x + 8 + 4y + 7 + 3x$ if $x = 9, y = 6$ | ㉒ $14y + 6$ |
| ⑱ $5x + 5y + 9y + 2x + y$ if $x = 8, y = 3$ | ㉓ $13x + 14y$ |



65	49	108	34	188	51	48	63	66	72	23	41	142	101	62	44	93	83
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FIND A MATCH

Solve any equation in the top block and find the solution in the bottom block. Transfer the word from the top box to the corresponding bottom box. Keep working and you will spell out a fission story.

① $x + 15 = 8$ ARE	② $-14 + x = 23$ THE	③ $x - 13 = 9$ STILL	④ $x - 27 = -12$ WHO	⑤ $x - 7 = -53$ A
⑥ $x - (-8) = 32$ WAS	⑦ $x - (-21) = -3$ THERE	⑧ $x - (-45) = 16$ TO	⑨ $x + (-17) = 24$ NOT	⑩ $26 + x = -4$ THE
⑪ $-14 = x + 2$ WORLD	⑫ $6 = -34 + x$ OF	⑬ $-41 = x - 23$ A	⑭ $11 = x - (-7)$ OR	⑮ $-5 = x - (-28)$ LOT
⑯ $x - 20 = -8$ ARE	⑰ $-13 + x = -18$ WHETHER	⑱ $21 = 46 + x$ IN	⑲ $12 = x - (-9)$ DECIDE	⑳ $x + (-17) = -1$ PEOPLE
㉑ $x - (-22) = 40$ CRACK	㉒ $-8 = x + 39$ ATOM	㉓ $13 = x - 25$ TRYING	㉔ $-6 + x = -16$ SPLITTING	㉕ $x - 31 = -5$ WISE
$x = -24$	$x = -7$	$x = -18$	$x = -33$	$x = 40$
$x = 16$	$x = -25$	$x = -30$	$x = -16$	$x = 15$
$x = 12$	$x = 22$	$x = 38$	$x = -29$	$x = 3$
$x = -5$	$x = 4$	$x = 41$	$x = -10$	$x = 37$
$x = -47$	$x = 24$	$x = -46$	$x = 26$	$x = 18$