

Clue #1

VEODUNNII?

Solve for x : $\frac{1}{x+13} = 1$

- | | |
|-----|--|
| -12 | The victim did not have a venomous bite |
| -10 | Ms. Rosales was eating berries by the pool |
| -1 | The victim wasn't hurt chemically |
| 14 | Coach Scott was pacing in the library |

VEODUNNII?

Clue #2

What is the value of x : $\frac{x-2}{x-1} = 5$

- | | |
|-------------------|---|
| $x = \frac{3}{4}$ | Haggerty was mending the refrigerator in the kitchen |
| $x = \frac{3}{2}$ | The victim wasn't hurt chemically |
| $x = \frac{5}{2}$ | Ms. Sa was updating her Facebook status in the bathroom |
| $x = 5$ | The criminal did not use electrocution |

Clue #3



What value of x satisfies: $\frac{4x^2+1}{x} = 4x + 16$

No Solution Ms. Newsome was eating lunch in the cafeteria

$x = 1/16$ The victim was not electrocuted

$x = 1/4$ Ms. Rosales was doing squats in the gym

$x = 5/4$ The victim did not have a venomous bite



Clue #4

Solve: $\frac{4x-2}{-10x-10} = 5$

$x = -\frac{8}{9}$ Coach Scott was watching a movie in the auditorium

$x = -\frac{24}{25}$ The victim wasn't hurt chemically

$x = \frac{8}{9}$ The victim did not have a venomous bite

None above Ms. Rosales was adjusting a watch in the library

Clue #5



$$\text{Solve: } \frac{x - 8}{2x + 7} - 1 = 0$$

<i>All real #s</i>	Ms. Rosales was downloading apps in the kitchen
$x = -15$	Mr. Tibbals was grading in the bathroom
$x = 14$	The victim did not have a venomous bite
$x = 64$	The criminal did not use a fallen object



Clue #6

$$\text{Solve for } x: \frac{1}{3x} - 2 = \frac{1}{2x}$$

$x = -\frac{1}{12}$	The victim was not crushed by a fallen object
$x = \frac{1}{12}$	The victim was not electrocuted
$x = 12$	Mr. Tibbals was watching a TV show in the library
<i>No solution</i>	Ms. Newsome was playing the piano in the auditorium

Clue #7

POISONING?

Solve for x : $\frac{x + 1}{x + 7} = \frac{x - 2}{x}$

$x = -5.5$	The injury did not involve a chemical reaction
$x = -3, x = 5$	The victim did not have a venomous bite
$x = 3.5$	Ms. Sa was taking a nap in the cafeteria
$x = 3, x = 5$	Mr. Tibbals was wearing shoes in the gym

POISONING? Clue #8

Solve for x : $\frac{10}{x^2 - 2x} - \frac{5}{x - 2} = -\frac{4}{x}$

$x = -2$	Ms. Sa had lunch duty outside of the cafeteria
$x = 1$	Ms. Newsome was running in the gym
No solution	The victim was not poisoned by food
$x = 2$	The criminal did not use a chemical reaction

Clue #9

WFOODUNNII??

$$\text{Solve for } x: \frac{2x - 5}{x - 4} = \frac{11}{x - 4}$$

$x = 8$	The victim did not slip and fall
$x = 9$	Ms. Newsome was boxing in the gym
$x = 14$	The victim was not poisoned by food
$x = 15$	Ms. Rosales was shelving books in the library

WFOODUNNII?? Clue #10

$$\text{Solve for } x: \frac{3x}{x^2 - 4} + \frac{1}{x - 2} = \frac{2}{x + 2}$$

$x = -7$	The victim wasn't hurt chemically
$x = -4$	Ms. Rosales was stretching in the gym
$x = -3$	Ms. Newsome was answering an email in the library
<i>All real #s</i>	The criminal did not plant anything to slip on