

CLUE #1

CSI: WEODUNNT?

$$x + 4 < 9$$

$x < 4$ Mr. Epsilon was watering plants in the atrium.

$x < 5$ The victim did not have a venomous bite.

$x > 5$ Miss Beta was researching in the library.

$x < 13$ The murder was not an assault with a firearm.

CSI: WEODUNNT?

CLUE #2

$$-2d + 3 \geq 9$$

$d \geq 3$ Miss Beta was watching a movie in the theater.

$d \geq -6$ The victim did not have a venomous bite.

$d \leq -3$ The murder was not an assault with a firearm.

$d \leq 3$ Professor Delta was using her iPad by the pool.

CLUE #3

CSI: **WFOODUNNIT?**

$$-7 > \frac{-3k - 5}{5}$$

$k > -10$ Chemical poisoning is not the cause of death.

$k < -10$ Mrs. Gamma was reading in the library.

$k > 10$ A cougar did not maul the victim.

$k < 10$ Professor Delta was swimming in the pool.

CSI: **WFOODUNNIT?**

CLUE #4

$$5t + 2 < 9t - 10$$

$t > 3$ Coach Omega was reading in the atrium.

$t < 3$ A cougar did not maul the victim.

$t > \frac{4}{7}$ Chemical poisoning was not the cause of death.

$t < \frac{4}{7}$ Mr. Epsilon was making lunch in the kitchen.

CLUE #5

CSI: ~~W~~~~E~~~~E~~~~O~~~~D~~~~O~~~~N~~~~N~~~~I~~~~I~~?

$$8(n + 4) + 3n \geq 2(n - 2)$$

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|-------------|---|
| $n \geq -3$ | A cougar did not maul the victim. |
| $n \leq -3$ | The victim did not drown. |
| $n \leq 4$ | Miss Beta was listening to music in the atrium. |
| $n \geq -4$ | Dr. Alpha was sipping tea by the pool. |

CSI: ~~W~~~~E~~~~E~~~~O~~~~D~~~~O~~~~N~~~~N~~~~I~~~~I~~?

CLUE #6

$$-4(h - 10) < 7h(2 + 3)$$

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|----------------------|---|
| $h > \frac{40}{39}$ | Mrs. Gamma was fixing a snack in the kitchen. |
| $h > \frac{39}{40}$ | Professor Delta was rearranging the equipment in the gym. |
| $h < \frac{40}{39}$ | Chemical poisoning was not the cause of death. |
| $h > -\frac{40}{39}$ | A venomous snake did not bite the victim. |

CLUE #7

CSI: **WFOODUNNIT?**

$$2(w + 4) - 3(-w + 5) \geq 0$$

$w \leq -7$ Dr. Alpha was sleeping in the movie theater.

$w \geq \frac{23}{5}$ The victim did not have a venomous bite.

$w \geq 5$ The victim did not die of electrocution.

$w \geq \frac{7}{5}$ Miss Beta was on the treadmill in the gym.

CSI: **WFOODUNNIT?**

CLUE #8

$$7x + 9(-2x + 8) < 18x$$

$x > \frac{72}{7}$ Mrs. Gamma was preparing a snack in the kitchen.

$x > \frac{72}{29}$ Chemical poisoning was not the cause of death.

$x < -\frac{72}{7}$ The victim was not electrocuted.

$x < \frac{72}{29}$ Dr. Alpha was listening to music in the atrium.

