



The Lockdown of Precinct Nine

Grade 5 math · Subtraction, Multiplication, Addition, Place value, Fractions of a number · Reading level grades 7-9

Detective: _____ **Date:** _____

Chief Joshua Dax Zeno has been trapped in a high-tech stasis bubble inside his own office! The Kid Police Department is on lockdown. We must analyze the evidence to identify the rogue agent who sabotaged the precinct before the stasis lock becomes permanent.

1. Solve each math problem. The answer is a number, and the letter beside it is what that number stands for.
2. In the clue boxes, write that letter in every box showing the same number, then read the secret clue.
3. Use each clue to cross suspects off the list. The one suspect left at the end is the culprit!

My answer: the rogue agent is _____

Possible suspects

Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	PRIMARY TACTIC	SPECIAL GEAR	OBSERVABLE HABIT	FIBER EVIDENCE	TACTICAL COUNTER
Detective Vance	smoke bombs	stun batons	left-handed	spiky blue hair	glitter paint
Cadet Steele	laser cuffs	disguise kits	left-handed	neon green hair	flashlight beams
Agent Pierce	smoke bombs	stun batons	wears glasses	bright orange hair	glitter paint
Cadet Miller	laser cuffs	disguise kits	left-handed	bright orange hair	flashlight beams
Detective Flint	voice mimicry	stealth boots	wears glasses	bright orange hair	flashlight beams
Sergeant Knox	voice mimicry	stun batons	left-handed	neon green hair	glitter paint
Cadet Wilder	drone hacking	disguise kits	wears glasses	bright orange hair	glitter paint
Officer Stone	laser cuffs	grapple guns	wears glasses	neon green hair	glitter paint
Detective Rigg	drone hacking	night vision	wears glasses	spiky blue hair	flashlight beams
Agent Ryder	drone hacking	stealth boots	wears glasses	spiky blue hair	glitter paint
Sergeant Brooks	smoke bombs	disguise kits	wears glasses	spiky blue hair	loud sirens
Detective Slate	smoke bombs	stun batons	wears glasses	neon green hair	flashlight beams
Officer Bishop	voice mimicry	disguise kits	left-handed	neon green hair	loud sirens
Sergeant Hayes	voice mimicry	stealth boots	left-handed	neon green hair	flashlight beams
Sergeant Gable	laser cuffs	stun batons	left-handed	bright orange hair	flashlight beams
Cadet Sterling	lock picking	night vision	left-handed	bright orange hair	glitter paint
Agent Carver	lock picking	grapple guns	left-handed	neon green hair	flashlight beams
Detective Frost	laser cuffs	night vision	left-handed	neon green hair	flashlight beams
Sergeant Wolf	smoke bombs	disguise kits	left-handed	bright orange hair	loud sirens
Officer Cooper	smoke bombs	stun batons	left-handed	neon green hair	loud sirens
Officer Briggs	lock picking	night vision	left-handed	neon green hair	flashlight beams

CLUE 1 Subtraction

Our team inventor counted the emergency lock-picks in the armory. After subtracting the stolen gear from the original inventory, we found a clue hidden in the empty storage drawer.

Solve each problem, then write its letter in every clue box that shows the same number.

T								T										T
3205	2339	8189	6340	8381	7065	1186	3205	8189	4450	6857	6236	1186	8189	6340	4741	1186	3205	

					T				T				T		
8100	8189	8381	6857	6340	3205	8189	8381	2654	3205	2339	7065	1186	1186	3205	6340

$6615 - 3410 = \square \rightarrow \boxed{\text{T}}$

$6488 - 4149 = \square \rightarrow \boxed{\text{H}}$

$6944 - 2494 = \square \rightarrow \boxed{\text{U}}$

$4203 - 1549 = \square \rightarrow \boxed{\text{L}}$

$8182 - 1946 = \square \rightarrow \boxed{\text{D}}$

$6934 - 594 = \square \rightarrow \boxed{\text{S}}$

$10305 - 3240 = \square \rightarrow \boxed{\text{B}}$

$3143 - 1957 = \square \rightarrow \boxed{\text{O}}$

$12056 - 3867 = \square \rightarrow \boxed{\text{E}}$

$9980 - 3123 = \square \rightarrow \boxed{\text{R}}$

$11906 - 3525 = \square \rightarrow \boxed{\text{A}}$

$8350 - 3609 = \square \rightarrow \boxed{\text{N}}$

$12938 - 4838 = \square \rightarrow \boxed{\text{W}}$

Scratch space:

CLUE 2
Multiplication facts (1-12)

The security cameras captured a grid of locker doors blinking in a strange pattern. By multiplying the rows of lockers by the flashing lights, we decoded a secret suspect file.

Solve each problem, then write its letter in every clue box that shows the same number.

T																	
1	90	10	6	16	6	30	10	56	1	88	42	9	30	30	10	88	22
			T											T			
48	10	84	1	90	22	28	88	10	88	90	9	48	6	1	10	42	

$1 \times 1 = \square \rightarrow$ T	$2 \times 11 = \square \rightarrow$ A	$1 \times 10 = \square \rightarrow$ E	
$5 \times 6 = \square \rightarrow$ P	$7 \times 4 = \square \rightarrow$ N	$1 \times 9 = \square \rightarrow$ O	$10 \times 9 = \square \rightarrow$ H
$4 \times 4 = \square \rightarrow$ U	$7 \times 8 = \square \rightarrow$ C	$4 \times 12 = \square \rightarrow$ L	$7 \times 6 = \square \rightarrow$ R
$11 \times 8 = \square \rightarrow$ D	$2 \times 3 = \square \rightarrow$ S	$7 \times 12 = \square \rightarrow$ F	

Scratch space:

CLUE 3 Addition

We gathered the heavy boots left behind in the precinct mudroom. Adding their total weights together gave us the exact frequency needed to unlock a scrambler message.

Solve each problem, then write its letter in every clue box that shows the same number.

B															
2413	3128	5791	9202	6842	9198	6147	7549	7514	9636	6842	7549	5791	9202	6842	9198

B					B											
2413	4067	7514	8622	9636	2413	7549	5791	4021	4319	9198	6842	4067	9503	5791	7549	7549

$1166 + 1247 = \square \rightarrow \mathbf{B}$	$2146 + 982 = \square \rightarrow \mathbf{R}$	$2402 + 1917 = \square \rightarrow \mathbf{D}$
$3644 + 3905 = \square \rightarrow \mathbf{L}$	$4398 + 4804 = \square \rightarrow \mathbf{G}$	$5359 + 4277 = \square \rightarrow \mathbf{S}$
$1805 + 2262 = \square \rightarrow \mathbf{E}$	$2337 + 4505 = \square \rightarrow \mathbf{H}$	$4887 + 4311 = \square \rightarrow \mathbf{T}$
$3871 + 2276 = \square \rightarrow \mathbf{F}$	$3176 + 4338 = \square \rightarrow \mathbf{A}$	$3350 + 2441 = \square \rightarrow \mathbf{I}$
$4795 + 3827 = \square \rightarrow \mathbf{M}$	$3003 + 6500 = \square \rightarrow \mathbf{V}$	$1930 + 2091 = \square \rightarrow \mathbf{N}$

Scratch space:

CLUE 4 Place value

The main server room door has a digital keypad that records the value of each digit. Finding the digit in the hundreds place of the override code revealed a crucial clue about the intruder.

Solve each problem, then write its letter in every clue box that shows the same number.

W														
8000	70	800	40	7000	30	400	30	70	40	30	600	10	70	30

4000	5000	500	10	40	30	6000	4000	70	400	70	200	1000

What is the value of the 8 in 128,093? → **W**

What is the value of the 1 in 851,588? → **K**

What is the value of the 5 in 468,529? → **I**

What is the value of the 4 in 21,746? → **O**

What is the value of the 3 in 152,832? → **N**

What is the value of the 8 in 144,891? → **F**

What is the value of the 4 in 809,451? → **D**

What is the value of the 6 in 526,298? → **T**

What is the value of the 4 in 64,566? → **H**

What is the value of the 1 in 88,412? → **R**

What is the value of the 7 in 37,888? → **U**

What is the value of the 7 in 64,570? → **E**

What is the value of the 6 in 20,609? → **G**

What is the value of the 2 in 10,244? → **S**

What is the value of the 5 in 15,144? → **A**

Scratch space:

CLUE 5**Fractions of a number - the last clue**

A chemical vapor was released during the getaway. By calculating a fraction of the remaining energy particles on the wall, we isolated the signature of the suspect.

First solve each problem. Then find each answer in the numbered list below and cross that sentence out. One sentence will be left - that is exactly what the villain did!

Step 1 - solve these:

$2/4 \text{ of } 4 = \boxed{}$

$1/6 \text{ of } 48 = \boxed{}$

$2/8 \text{ of } 12 = \boxed{}$

$4/6 \text{ of } 15 = \boxed{}$

$4/6 \text{ of } 6 = \boxed{}$

$2/6 \text{ of } 15 = \boxed{}$

$6/8 \text{ of } 16 = \boxed{}$

$1/6 \text{ of } 66 = \boxed{}$

$1/6 \text{ of } 54 = \boxed{}$

$1/8 \text{ of } 56 = \boxed{}$

$2/3 \text{ of } 9 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain disabled the security lasers, then locked the Chief inside the breakroom.
2. The villain stole the master keycard, then rigged the Chief's chair with slime.
3. The villain stole the master keycard, then trapped the Chief in a stasis bubble.
4. The villain scrambled the comms tower, then trapped the Chief in a stasis bubble.
5. The villain scrambled the comms tower, then hid the Chief's golden badge.
6. The villain hacked the main vault, then rigged the Chief's chair with slime.
7. The villain stole the master keycard, then locked the Chief inside the breakroom.
8. The villain disabled the security lasers, then rigged the Chief's chair with slime.
9. The villain scrambled the comms tower, then swapped the Chief's coffee with hot sauce.
10. The villain disabled the security lasers, then hid the Chief's golden badge.
11. The villain locked down the holding cells, then locked the Chief inside the breakroom.
12. The villain locked down the holding cells, then rigged the Chief's chair with slime.

Answer Key

The Lockdown of Precinct Nine

Culprit: Cadet Steele

laser cuffs · disguise kits · left-handed · neon green hair · flashlight beams

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Subtraction): "THE SABOTEUR DOES NOT WEAR STEALTH BOOTS"

$6615 - 3410 = 3205$ (T) · $6488 - 4149 = 2339$ (H) · $6944 - 2494 = 4450$ (U) · $4203 - 1549 = 2654$ (L) · $8182 - 1946 = 6236$ (D) · $6934 - 594 = 6340$ (S) · $10305 - 3240 = 7065$ (B) · $3143 - 1957 = 1186$ (O) · $12056 - 3867 = 8189$ (E) · $9980 - 3123 = 6857$ (R) · $11906 - 3525 = 8381$ (A) · $8350 - 3609 = 4741$ (N) · $12938 - 4838 = 8100$ (W)

Clue 2 (Multiplication facts (1-12)): "THE SUSPECT DROPPED A LEFT HANDED HOLSTER"

$1 \times 1 = 1$ (T) · $2 \times 11 = 22$ (A) · $1 \times 10 = 10$ (E) · $5 \times 6 = 30$ (P) · $7 \times 4 = 28$ (N) · $1 \times 9 = 9$ (O) · $10 \times 9 = 90$ (H) · $4 \times 4 = 16$ (U) · $7 \times 8 = 56$ (C) · $4 \times 12 = 48$ (L) · $7 \times 6 = 42$ (R) · $11 \times 8 = 88$ (D) · $2 \times 3 = 6$ (S) · $7 \times 12 = 84$ (F)

Clue 3 (Addition): "BRIGHT FLASHLIGHT BEAMS BLIND THE VILLAIN"

$1166 + 1247 = 2413$ (B) · $2146 + 982 = 3128$ (R) · $2402 + 1917 = 4319$ (D) · $3644 + 3905 = 7549$ (L) · $4398 + 4804 = 9202$ (G) · $5359 + 4277 = 9636$ (S) · $1805 + 2262 = 4067$ (E) · $2337 + 4505 = 6842$ (H) · $4887 + 4311 = 9198$ (T) · $3871 + 2276 = 6147$ (F) · $3176 + 4338 = 7514$ (A) · $3350 + 2441 = 5791$ (I) · $4795 + 3827 = 8622$ (M) · $3003 + 6500 = 9503$ (V) · $1930 + 2091 = 4021$ (N)

Clue 4 (Place value): "WE FOUND NEON GREEN HAIR ON THE DESK"

What is the value of the 8 in 128,093? = 8000 (W) · What is the value of the 1 in 851,588? = 1000 (K) · What is the value of the 5 in 468,529? = 500 (I) · What is the value of the 4 in 21,746? = 40 (O) · What is the value of the 3 in 152,832? = 30 (N) · What is the value of the 8 in 144,891? = 800 (F) · What is the value of the 4 in 809,451? = 400 (D) · What is the value of the 6 in 526,298? = 6000 (T) · What is the value of the 4 in 64,566? = 4000 (H) · What is the value of the 1 in 88,412? = 10 (R) · What is the value of the 7 in 37,888? = 7000 (U) · What is the value of the 7 in 64,570? = 70 (E) · What is the value of the 6 in 20,609? = 600 (G) · What is the value of the 2 in 10,244? = 200 (S) · What is the value of the 5 in 15,144? = 5000 (A)

Clue 5 (Fractions of a number): surviving statement is box 1 → Cadet Steele

$\frac{2}{4}$ of 4 = 2 · $\frac{1}{6}$ of 48 = 8 · $\frac{2}{8}$ of 12 = 3 · $\frac{4}{6}$ of 15 = 10 · $\frac{4}{6}$ of 6 = 4 · $\frac{2}{6}$ of 15 = 5 · $\frac{6}{8}$ of 16 = 12 · $\frac{1}{6}$ of 66 = 11 · $\frac{1}{6}$ of 54 = 9 · $\frac{1}{8}$ of 56 = 7 · $\frac{2}{3}$ of 9 = 6