The Cybernetic Nexus Sabotage

Grade 3 math · Multiplication, Rounding, Addition, Subtraction, Division · Reading level grades 7-9

Detective: _____ **Date:** _____

A security breach at the Cybernetic Nexus Citadel has taken down the mainframe, and an unidentified rogue android is behind the sabotage.

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 Android is _____

Possible suspects

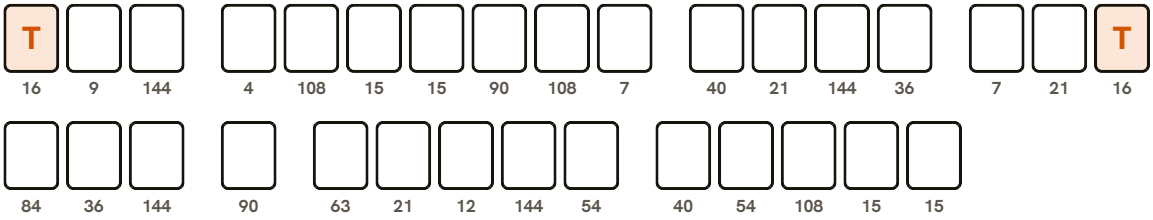
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	PRIMARY MODULE	SECONDARY TOOL	STATUS LIGHT	WIRING COLOR	SYSTEM VULNERABILITY
Rodney Brooks	Plasma Torch	Data Probe	Right Indicator Active	Copper Wiring	Magnet Interference
George Devol	Sonic Wave	Data Probe	Left Indicator Active	Gold Wiring	Water Splash
Fei-Fei Li	Plasma Torch	Data Probe	Left Indicator Active	Gold Wiring	Water Splash
John von Neumann	Sonic Wave	Power Drill	Left Indicator Active	Gold Wiring	High Frequency Signal
Yoshua Bengio	Sonic Wave	Micro Scanner	Right Indicator Active	Silver Wiring	High Frequency Signal
Sam Altman	Plasma Torch	Power Drill	Left Indicator Active	Copper Wiring	Water Splash
Sebastian Thrun	EMP Blast	Micro Scanner	Left Indicator Active	Copper Wiring	Water Splash
Alan Turing	Sonic Wave	Data Probe	Right Indicator Active	Silver Wiring	Magnet Interference
Demis Hassabis	EMP Blast	Data Probe	Right Indicator Active	Copper Wiring	Magnet Interference
Claude Shannon	EMP Blast	Arc Welder	Left Indicator Active	Silver Wiring	Water Splash
Norbert Wiener	Plasma Torch	Data Probe	Left Indicator Active	Copper Wiring	Water Splash
Geoffrey Hinton	Laser Cutter	Data Probe	Left Indicator Active	Copper Wiring	Magnet Interference
Isaac Asimov	Sonic Wave	Power Drill	Right Indicator Active	Gold Wiring	High Frequency Signal
Arthur Clarke	Graviton Beam	Micro Scanner	Left Indicator Active	Silver Wiring	Water Splash
Philip Dick	Laser Cutter	Arc Welder	Right Indicator Active	Gold Wiring	Magnet Interference
Marc Raibert	Laser Cutter	Micro Scanner	Right Indicator Active	Silver Wiring	Magnet Interference
Cynthia Breazeal	Laser Cutter	Arc Welder	Right Indicator Active	Copper Wiring	Water Splash
Andrew Ng	Graviton Beam	Cyber Deck	Left Indicator Active	Copper Wiring	High Frequency Signal
Ada Lovelace	Plasma Torch	Cyber Deck	Left Indicator Active	Copper Wiring	Water Splash
Yann LeCun	Sonic Wave	Cyber Deck	Left Indicator Active	Copper Wiring	Water Splash
Joseph Engelberger	Graviton Beam	Cyber Deck	Left Indicator Active	Silver Wiring	Water Splash

CLUE 1 Multiplication facts (1-12)

> To trace the rogue bot, you examine grid storage crates arranged in equal rows.

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



8 × 2 = ☐ → T

7 × 12 = ☐ → U

5 × 8 = ☐ → D

4 × 9 = ☐ → S

1 × 12 = ☐ → W

7 × 3 = ☐ → O

9 × 1 = ☐ → H

4 × 1 = ☐ → V

12 × 9 = ☐ → I

3 × 5 = ☐ → L

7 × 1 = ☐ → N

12 × 12 = ☐ → E

9 × 7 = ☐ → P

9 × 6 = ☐ → R

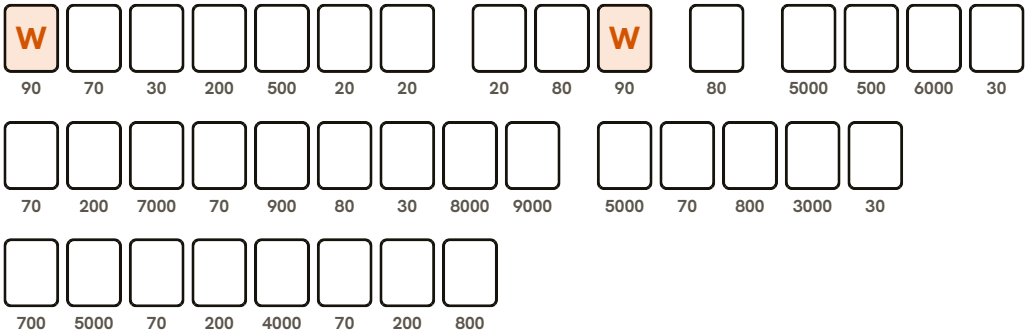
9 × 10 = ☐ → A

Scratch space:

CLUE 2 Rounding

The sensors on the perimeter gate only display rounded distance measurements.

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



Round 89 to the nearest ten ☐ → W

Round 474 to the nearest hundred ☐ → E

Round 181 to the nearest hundred ☐ → N

Round 26 to the nearest ten ☐ → T

Round 3,363 to the nearest thousand ☐ → H

Round 78 to the nearest ten ☐ → A

Round 5,480 to the nearest thousand ☐ → L

Round 802 to the nearest hundred ☐ → G

Round 7,812 to the nearest thousand ☐ → O

Round 21 to the nearest ten ☐ → S

Round 9,199 to the nearest thousand ☐ → R

Round 652 to the nearest hundred ☐ → B

Round 886 to the nearest hundred ☐ → C

Round 6,502 to the nearest thousand ☐ → D

Round 66 to the nearest ten ☐ → I

Round 6,313 to the nearest thousand ☐ → F

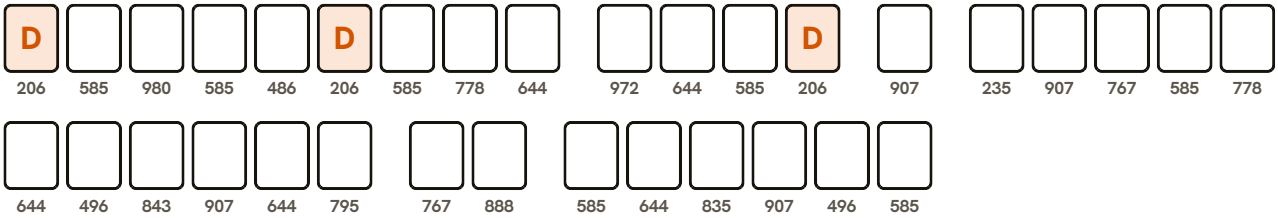
Round 4,269 to the nearest thousand ☐ → K

Scratch space:

CLUE 3 Addition

You tally up the stolen power cells from each maintenance bay.

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



143 + 63 = ☐ → D

174 + 312 = ☐ → N

427 + 553 = ☐ → F

321 + 567 = ☐ → O

372 + 213 = ☐ → E

401 + 243 = ☐ → S

412 + 423 = ☐ → C

568 + 275 = ☐ → L

499 + 473 = ☐ → U

123 + 112 = ☐ → W

369 + 538 = ☐ → A

371 + 424 = ☐ → H

251 + 245 = ☐ → P

513 + 265 = ☐ → R

376 + 391 = ☐ → T

Scratch space:

CLUE 4 Subtraction

> Comparing original battery capacity to current levels reveals the drain.

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



965 - 279 = ☐ → **E**

1033 - 234 = ☐ → **G**

829 - 15 = ☐ → **A**

933 - 329 = ☐ → **W**

430 - 232 = ☐ → **I**

1184 - 342 = ☐ → **O**

868 - 32 = ☐ → **S**

1117 - 289 = ☐ → **N**

523 - 247 = ☐ → **H**

1033 - 173 = ☐ → **T**

562 - 195 = ☐ → **C**

866 - 350 = ☐ → **P**

564 - 265 = ☐ → **D**

758 - 18 = ☐ → **R**

725 - 117 = ☐ → **V**

Scratch space:

CLUE 5 Division facts (1-12) - the last clue

Dividing the remaining data packets equally across backup servers exposes a pattern.

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:

144 ÷ 12 = ☐ | 72 ÷ 8 = ☐ | 90 ÷ 9 = ☐ | 24 ÷ 6 = ☐ | 27 ÷ 9 = ☐

45 ÷ 9 = ☐ | 8 ÷ 4 = ☐ | 8 ÷ 8 = ☐ | 11 ÷ 1 = ☐ | 14 ÷ 2 = ☐

30 ÷ 5 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain ignited a plasma torch, then drilled with the power drill.
2. The villain blasted a sonic wave, then drilled with the power drill.
3. The villain emitted an emp blast, then jacked into the data probe.
4. The villain blasted a sonic wave, then scanned with the micro scanner.
5. The villain blasted a sonic wave, then jacked into the data probe.
6. The villain ignited a plasma torch, then scanned with the micro scanner.
7. The villain emitted an emp blast, then drilled with the power drill.
8. The villain emitted an emp blast, then scanned with the micro scanner.
9. The villain ignited a plasma torch, then jacked into the data probe.
10. The villain ignited a plasma torch, then accessed the cyber deck.
11. The villain focused a graviton beam, then accessed the cyber deck.
12. The villain blasted a sonic wave, then accessed the cyber deck.

TEACHER / PARENT

Answer Key

The Cybernetic Nexus Sabotage

Culprit: Sebastian Thrun

EMP Blast · Micro Scanner · Left Indicator Active · Copper Wiring · Water Splash

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 9 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DOES NOT USE A POWER DRILL"

8 × 2 = 16 (T) · 7 × 12 = 84 (U) · 5 × 8 = 40 (D) · 4 × 9 = 36 (S) · 1 × 12 = 12 (W) · 7 × 3 = 21 (O) · 9 × 1 = 9 (H) · 4 × 1 = 4 (V) · 12 × 9 = 108 (I) · 3 × 5 = 15 (L) · 7 × 1 = 7 (N) · 12 × 12 = 144 (E) · 9 × 7 = 63 (P) · 9 × 6 = 54 (R) · 9 × 10 = 90 (A)

Clue 2 (Rounding): "WITNESS SAW A LEFT INDICATOR LIGHT BLINKING"

Round 89 to the nearest ten = 90 (W) · Round 474 to the nearest hundred = 500 (E) · Round 181 to the nearest hundred = 200 (N) · Round 26 to the nearest ten = 30 (T) · Round 3,363 to the nearest thousand = 3000 (H) · Round 78 to the nearest ten = 80 (A) · Round 5,480 to the nearest thousand = 5000 (L) · Round 802 to the nearest hundred = 800 (G) · Round 7,812 to the nearest thousand = 8000 (O) · Round 21 to the nearest ten = 20 (S) · Round 9,199 to the nearest thousand = 9000 (R) · Round 652 to the nearest hundred = 700 (B) · Round 886 to the nearest hundred = 900 (C) · Round 6,502 to the nearest thousand = 7000 (D) · Round 66 to the nearest ten = 70 (I) · Round 6,313 to the nearest thousand = 6000 (F) · Round 4,269 to the nearest thousand = 4000 (K)

Clue 3 (Addition): "DEFENDERS USED A WATER SPLASH TO ESCAPE"

143 + 63 = 206 (D) · 174 + 312 = 486 (N) · 427 + 553 = 980 (F) · 321 + 567 = 888 (O) · 372 + 213 = 585 (E) · 401 + 243 = 644 (S) · 412 + 423 = 835 (C) · 568 + 275 = 843 (L) · 499 + 473 = 972 (U) · 123 + 112 = 235 (W) · 369 + 538 = 907 (A) · 371 + 424 = 795 (H) · 251 + 245 = 496 (P) · 513 + 265 = 778 (R) · 376 + 391 = 767 (T)

Clue 4 (Subtraction): "EVIDENCE SHOWS COPPER WIRING AT THE SCENE"

965 - 279 = 686 (E) · 1033 - 234 = 799 (G) · 829 - 15 = 814 (A) · 933 - 329 = 604 (W) · 430 - 232 = 198 (I) · 1184 - 342 = 842 (O) · 868 - 32 = 836 (S) · 1117 - 289 = 828 (N) · 523 - 247 = 276 (H) · 1033 - 173 = 860 (T) · 562 - 195 = 367 (C) · 866 - 350 = 516 (P) · 564 - 265 = 299 (D) · 758 - 18 = 740 (R) · 725 - 117 = 608 (V)

Clue 5 (Division facts (1-12)): surviving statement is box 8 → Sebastian Thrun

144 ÷ 12 = 12 · 72 ÷ 8 = 9 · 90 ÷ 9 = 10 · 24 ÷ 6 = 4 · 27 ÷ 9 = 3 · 45 ÷ 9 = 5 · 8 ÷ 4 = 2 · 8 ÷ 8 = 1 · 11 ÷ 1 = 11 · 14 ÷ 2 = 7 · 30 ÷ 5 = 6