The Neo-Dribble Cyber Mystery

Grade 6 math · Percentages, Exponents, Order of operations, Multiplication, Division · Reading level grades 5-6

Detective: _____ **Date:** _____

The golden championship trophy has vanished from the Neo-Dribble Arena vault! A rogue bot bypassed security just hours before the big tournament. The Referee has locked down the building and needs your help to decode the digital logs and find the metallic thief.

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 bot is _____

Possible suspects

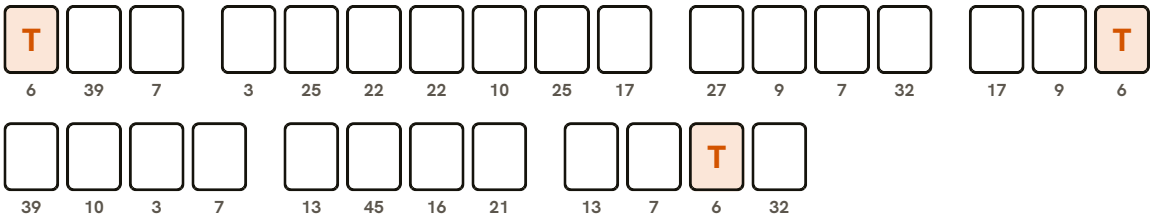
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SPORT MOD	SPECIAL GEAR	DRIBBLING STYLE	SENSOR LIGHTS	SYSTEM VULNERABILITY
Neymar Bot	Basketball Core	Jump Jets	Left Foot Kick	Yellow Light Bars	Static Shock
Sparky	Soccer Engine	Laser Sight	Left Foot Kick	Yellow Light Bars	Static Shock
Sprocket	Soccer Engine	Shockwave Shield	Left Foot Kick	Green Light Bars	Sticky Goop
Cyberhoop	Slam Dunk Thruster	Jump Jets	Left Foot Kick	Yellow Light Bars	Sticky Goop
Curry Bot	Soccer Engine	Magnetic Grip	Left Foot Kick	Blue Light Bars	Sticky Goop
Gearbox	Basketball Core	Shockwave Shield	Left Foot Kick	Yellow Light Bars	Static Shock
Circuit	Soccer Engine	Magnetic Grip	Left Foot Kick	Green Light Bars	Sticky Goop
Doncic Bot	Turbo Goalie Kit	Laser Sight	Left Foot Kick	Green Light Bars	Magnet Wave
Durant Bot	Robo-Dribbler 3000	Laser Sight	Left Foot Kick	Blue Light Bars	Sticky Goop
Kane Bot	Turbo Goalie Kit	Jump Jets	Left Foot Kick	Yellow Light Bars	Static Shock
Tatum Bot	Robo-Dribbler 3000	Magnetic Grip	Right Foot Kick	Yellow Light Bars	Static Shock
Messi Bot	Soccer Engine	Laser Sight	Left Foot Kick	Yellow Light Bars	Sticky Goop
Ronaldo Bot	Robo-Dribbler 3000	Laser Sight	Left Foot Kick	Yellow Light Bars	Static Shock
Megawatt	Turbo Goalie Kit	Shockwave Shield	Right Foot Kick	Yellow Light Bars	Static Shock
Jokic Bot	Soccer Engine	Magnetic Grip	Left Foot Kick	Yellow Light Bars	Magnet Wave
Rapinoe Bot	Turbo Goalie Kit	Laser Sight	Left Foot Kick	Yellow Light Bars	Magnet Wave
LeBron Bot	Turbo Goalie Kit	Speed Boosters	Right Foot Kick	Blue Light Bars	Magnet Wave
Giannis Bot	Soccer Engine	Shockwave Shield	Left Foot Kick	Yellow Light Bars	Static Shock
Rustbolt	Turbo Goalie Kit	Laser Sight	Right Foot Kick	Blue Light Bars	Static Shock
Mbappe Bot	Turbo Goalie Kit	Shockwave Shield	Left Foot Kick	Blue Light Bars	Static Shock
Marta Bot	Turbo Goalie Kit	Speed Boosters	Left Foot Kick	Yellow Light Bars	Magnet Wave

CLUE 1 Percentages

> The referee checks the main battery logs. Solve this percentage puzzle to find how much power the suspect's gear used.

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



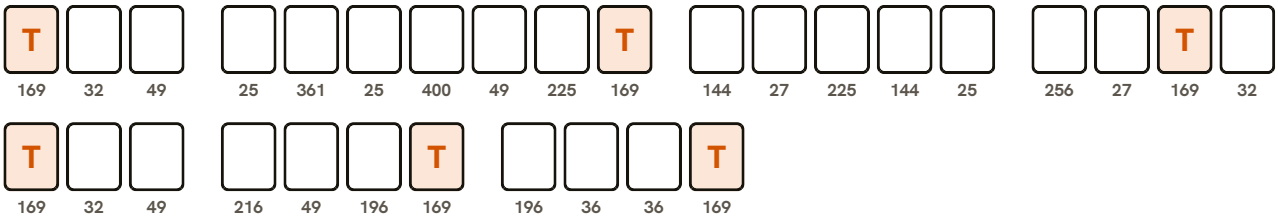
40% of 15 = ☐ → T	10% of 100 = ☐ → A	10% of 210 = ☐ → P
20% of 135 = ☐ → D	20% of 80 = ☐ → M	20% of 85 = ☐ → N
10% of 70 = ☐ → E	5% of 780 = ☐ → H	25% of 52 = ☐ → J
20% of 160 = ☐ → S	5% of 900 = ☐ → U	60% of 15 = ☐ → O
25% of 88 = ☐ → L	50% of 50 = ☐ → I	5% of 60 = ☐ → V

Scratch space:

CLUE 2 Exponents

> To download the security video, you must decode an encrypted security lock. Solve this exponent problem to bypass the shield.

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



13^2 = ☐ → T

7^2 = ☐ → E

15^2 = ☐ → C

3^3 = ☐ → I

20^2 = ☐ → P

19^2 = ☐ → U

12^2 = ☐ → K

6^2 = ☐ → O

5^2 = ☐ → S

14^2 = ☐ → F

6^3 = ☐ → L

2^5 = ☐ → H

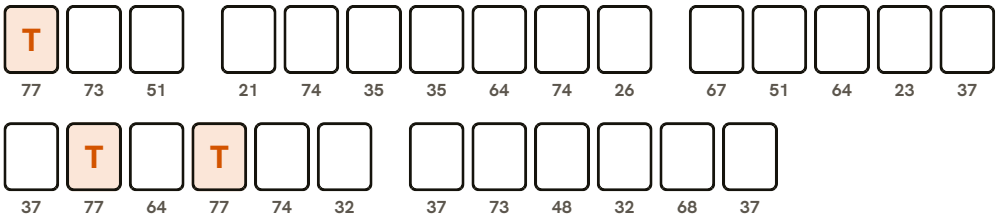
2^8 = ☐ → W

Scratch space:

CLUE 3 Order of operations

> The court floor has a secret sequence of pressure plates. Use the order of operations to step on the correct tiles.

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



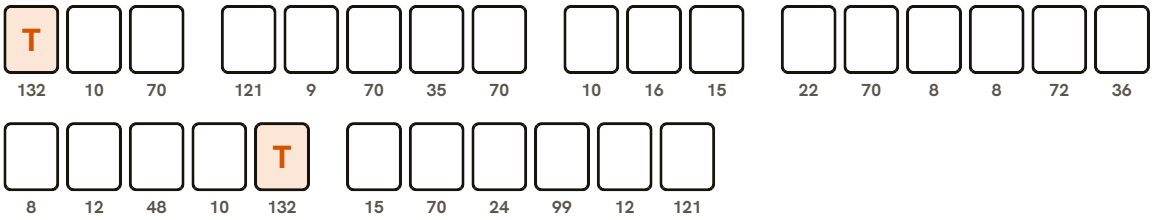
9 × 9 - 4 = ☐ → T	11 × 5 - 7 = ☐ → O	12 × 5 - 9 = ☐ → E
12 + 3 × 3 = ☐ → V	8 × 6 - 25 = ☐ → R	4 × 9 - 1 = ☐ → L
5 × 9 - 19 = ☐ → N	48 + 8 × 2 = ☐ → A	19 + 9 × 2 = ☐ → S
10 + 7 × 9 = ☐ → H	32 + 6 × 7 = ☐ → I	57 + 2 × 5 = ☐ → F
26 + 2 × 3 = ☐ → C	10 × 8 - 12 = ☐ → K	

Scratch space:

CLUE 4 Multiplication facts (1-12)

> The suspect ran through the storage bay and knocked over several crates of microchips. Multiply the rows to count them all.

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



11 × 12 = ☐ → T	8 × 3 = ☐ → B	8 × 6 = ☐ → G
7 × 10 = ☐ → E	6 × 2 = ☐ → I	10 × 1 = ☐ → H
7 × 5 = ☐ → N	11 × 11 = ☐ → S	9 × 11 = ☐ → R
2 × 11 = ☐ → Y	1 × 9 = ☐ → C	9 × 8 = ☐ → O
4 × 9 = ☐ → W	3 × 5 = ☐ → D	2 × 8 = ☐ → A

8 × 1 = ☐ → L

Scratch space:

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

> A pack of small cleaner bots needs to share energy packs equally. Divide the supplies to clear the court and grab the last clue.

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:

12 ÷ 12 = ☐	42 ÷ 7 = ☐	99 ÷ 11 = ☐	20 ÷ 2 = ☐	10 ÷ 5 = ☐
44 ÷ 11 = ☐	55 ÷ 5 = ☐	77 ÷ 11 = ☐	10 ÷ 2 = ☐	8 ÷ 1 = ☐
30 ÷ 10 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain shoots a plasma ball into the hoop, then scrambles the scoreboard sensors.
2. The villain shoots a plasma ball into the hoop, then zips down the court into the shadows.
3. The villain slams a dunk through the security grid, then leaps over the stadium walls.
4. The villain blocks the goalie bots with a smoke screen, then zips down the court into the shadows.
5. The villain dribbles past the arena defense lasers, then leaps over the stadium walls.
6. The villain dribbles past the arena defense lasers, then scrambles the scoreboard sensors.
7. The villain blocks the goalie bots with a smoke screen, then escapes through the ventilation shaft.
8. The villain slams a dunk through the security grid, then zips down the court into the shadows.
9. The villain performs a super fast bicycle kick, then escapes through the ventilation shaft.
10. The villain slams a dunk through the security grid, then scrambles the scoreboard sensors.
11. The villain performs a super fast bicycle kick, then leaps over the stadium walls.
12. The villain dribbles past the arena defense lasers, then escapes through the ventilation shaft.

TEACHER / PARENT

Answer Key

The Neo-Dribble Cyber Mystery

Culprit: Sparky

Soccer Engine · Laser Sight · Left Foot Kick · Yellow Light Bars · Static Shock

Trail: Start 21 → Clue 1 18 → Clue 2 14 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Percentages): "THE VILLAIN DOES NOT HAVE JUMP JETS"

40% of 15 = 6 (T) · 10% of 100 = 10 (A) · 10% of 210 = 21 (P) · 20% of 135 = 27 (D) · 20% of 80 = 16 (M) · 20% of 85 = 17 (N) · 10% of 70 = 7 (E) · 5% of 780 = 39 (H) · 25% of 52 = 13 (J) · 20% of 160 = 32 (S) · 5% of 900 = 45 (U) · 60% of 15 = 9 (O) · 25% of 88 = 22 (L) · 50% of 50 = 25 (I) · 5% of 60 = 3 (V)

Clue 2 (Exponents): "THE SUSPECT KICKS WITH THE LEFT FOOT"

13^2 = 169 (T) · 7^2 = 49 (E) · 15^2 = 225 (C) · 3^3 = 27 (I) · 20^2 = 400 (P) · 19^2 = 361 (U) · 12^2 = 144 (K) · 6^2 = 36 (O) · 5^2 = 25 (S) · 14^2 = 196 (F) · 6^3 = 216 (L) · 2^5 = 32 (H) · 2^8 = 256 (W)

Clue 3 (Order of operations): "THE VILLAIN FEARS STATIC SHOCKS"

9 × 9 - 4 = 77 (T) · 11 × 5 - 7 = 48 (O) · 12 × 5 - 9 = 51 (E) · 12 + 3 × 3 = 21 (V) · 8 × 6 - 25 = 23 (R) · 4 × 9 - 1 = 35 (L) · 5 × 9 - 19 = 26 (N) · 48 + 8 × 2 = 64 (A) · 19 + 9 × 2 = 37 (S) · 10 + 7 × 9 = 73 (H) · 32 + 6 × 7 = 74 (I) · 57 + 2 × 5 = 67 (F) · 26 + 2 × 3 = 32 (C) · 10 × 8 - 12 = 68 (K)

Clue 4 (Multiplication facts (1-12)): "THE SCENE HAD YELLOW LIGHT DEBRIS"

11 × 12 = 132 (T) · 8 × 3 = 24 (B) · 8 × 6 = 48 (G) · 7 × 10 = 70 (E) · 6 × 2 = 12 (I) · 10 × 1 = 10 (H) · 7 × 5 = 35 (N) · 11 × 11 = 121 (S) · 9 × 11 = 99 (R) · 2 × 11 = 22 (Y) · 1 × 9 = 9 (C) · 9 × 8 = 72 (O) · 8 × 1 = 8 (L) · 4 × 9 = 36 (W) · 3 × 5 = 15 (D) · 2 × 8 = 16 (A)

Clue 5 (Division facts (1-12)): surviving statement is box 12 → Sparky

12 ÷ 12 = 1 · 42 ÷ 7 = 6 · 99 ÷ 11 = 9 · 20 ÷ 2 = 10 · 10 ÷ 5 = 2 · 44 ÷ 11 = 4 · 55 ÷ 5 = 11 · 77 ÷ 11 = 7 · 10 ÷ 2 = 5 · 8 ÷ 1 = 8 · 30 ÷ 10 = 3