The Great Banana Ray Heist

Grade 1 math · Addition, Multiplication, Subtraction, Skip counting, Missing addends · Reading level grades 7-9

Detective: _____ **Date:** _____

Someone snuck into Dr. Nefarious's subterranean vault and hijacked the legendary Mega Banana Ray! The perpetrator left behind a trail of strange gadgets, peculiar eyegear, and chaotic footprints. Analyze the lab records and decipher the security reports to unmask the culprit before they turn the entire city into banana pudding!

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 minion is _____

Possible suspects

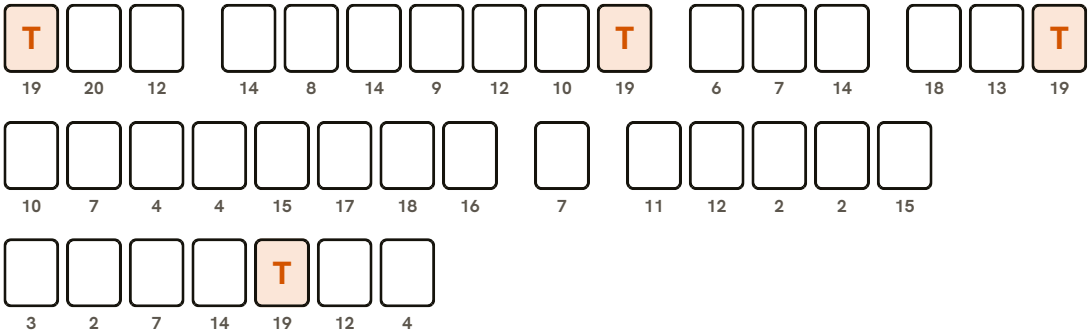
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	PRIMARY GADGET	SECRET TOOL	GOGGLE STYLE	HAIR TUFT	DISTRACTION
Ken	Grapple Cannon	Jelly Blaster	Single Lens	Total Bald	Fresh Bananas
Bob	Shrink Blaster	Jelly Blaster	Double Lens	Center Part	Fresh Bananas
Otto	Freeze Ray	Rocket Boots	Single Lens	Total Bald	Loud Music
Phil	Fart Gun	Rocket Boots	Single Lens	Spiky Top	Shiny Coins
Tom	Magnet Suit	Jelly Blaster	Single Lens	Spiky Top	Shiny Coins
Tim	Shrink Blaster	Laser Watch	Double Lens	Spiky Top	Loud Music
Donny	Grapple Cannon	Stun Baton	Single Lens	Spiky Top	Loud Music
Lance	Magnet Suit	Rocket Boots	Single Lens	Spiky Top	Shiny Coins
Jerry	Grapple Cannon	Laser Watch	Single Lens	Total Bald	Shiny Coins
Stuart	Freeze Ray	Laser Watch	Double Lens	Spiky Top	Shiny Coins
Norbert	Fart Gun	Rocket Boots	Single Lens	Center Part	Fresh Bananas
Steve	Shrink Blaster	Stun Baton	Double Lens	Spiky Top	Loud Music
John	Fart Gun	Stun Baton	Double Lens	Center Part	Loud Music
Mike	Freeze Ray	Cheesy Grenade	Single Lens	Spiky Top	Shiny Coins
Ben	Shrink Blaster	Laser Watch	Double Lens	Spiky Top	Shiny Coins
Paul	Shrink Blaster	Jelly Blaster	Single Lens	Total Bald	Shiny Coins
Henry	Magnet Suit	Stun Baton	Single Lens	Spiky Top	Shiny Coins
Dave	Magnet Suit	Jelly Blaster	Double Lens	Total Bald	Loud Music
Eric	Magnet Suit	Rocket Boots	Single Lens	Total Bald	Loud Music
Kevin	Freeze Ray	Rocket Boots	Single Lens	Spiky Top	Loud Music
Leo	Fart Gun	Jelly Blaster	Single Lens	Center Part	Fresh Bananas

CLUE 1 Addition

Dr. Nefarious tallied the remaining beaker sets in the lab bay to verify the intruder's entry route.

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



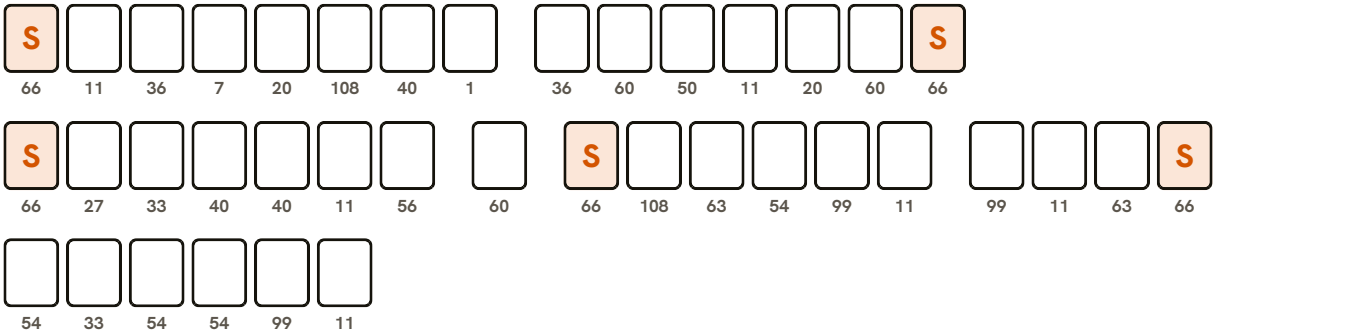
10 + 9 = ☐ → T	10 + 3 = ☐ → O	2 + 2 = ☐ → R
9 + 8 = ☐ → I	12 + 6 = ☐ → N	3 + 4 = ☐ → A	5 + 3 = ☐ → U
8 + 4 = ☐ → E	5 + 6 = ☐ → J	4 + 10 = ☐ → S	9 + 7 = ☐ → G
7 + 8 = ☐ → Y	3 + 7 = ☐ → C	1 + 2 = ☐ → B	3 + 3 = ☐ → W
1 + 1 = ☐ → L	7 + 13 = ☐ → H	3 + 6 = ☐ → P

Scratch space:

CLUE 2 Multiplication facts (1-12)

> The assistant checked the storage rack grid to calculate total spare goggles stored in uniform rows.

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



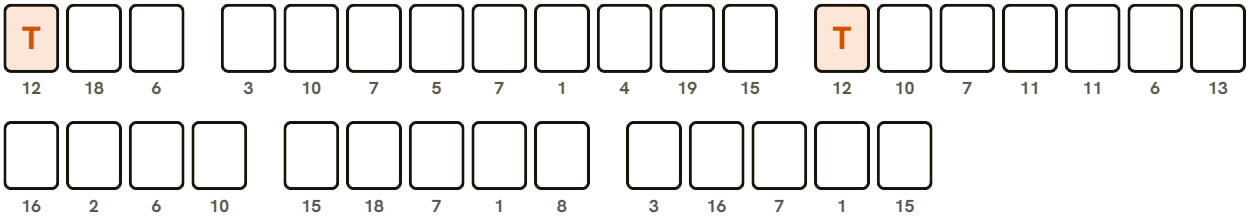
6 × 11 = ☐ → S	1 × 11 = ☐ → E	10 × 2 = ☐ → R		
3 × 9 = ☐ → P	1 × 1 = ☐ → Y	1 × 7 = ☐ → U	3 × 11 = ☐ → O	
8 × 7 = ☐ → D	4 × 10 = ☐ → T	6 × 6 = ☐ → C	6 × 9 = ☐ → G	
11 × 9 = ☐ → L	7 × 9 = ☐ → N	12 × 9 = ☐ → I		
10 × 5 = ☐ → M	5 × 12 = ☐ → A			

Scratch space:

CLUE 3 Subtraction

Engineers subtracted the damaged gear from the inventory count to determine what the intruder salvaged.

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



19 - 7 = ☐ → T

13 - 9 = ☐ → A

19 - 3 = ☐ → O

9 - 6 = ☐ → C

17 - 4 = ☐ → D

13 - 7 = ☐ → E

13 - 8 = ☐ → M

14 - 7 = ☐ → I

8 - 7 = ☐ → N

16 - 1 = ☐ → S

17 - 7 = ☐ → R

19 - 1 = ☐ → H

19 - 8 = ☐ → P

4 - 2 = ☐ → V

17 - 9 = ☐ → Y

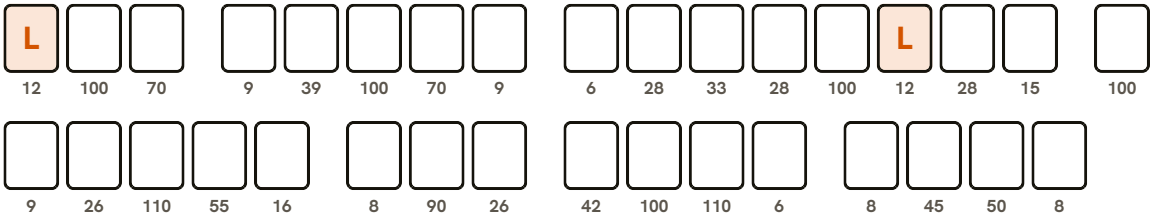
20 - 1 = ☐ → L

Scratch space:

CLUE 4 Skip counting

Guards counted the stacked banana crates along the hallway in equal groups to track the robber's path.

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



Skip-count by 3s. Fill the blank: 3, 6, 9, ___, 15, 18 ☐ → L

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, ___, 50, 55 ☐ → U

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, ___, 100, 110 ☐ → O

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, ___, 42, 45 ☐ → W

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, ___, 60, 65 ☐ → K

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, ___, 55, 60 ☐ → F

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, ___, 120, 130 ☐ → I

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, ___, 75, 80 ☐ → B

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, ___, 36, 39 ☐ → V

Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 ☐ → S

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 ☐ → A

Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 ☐ → R

Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 ☐ → T

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 ☐ → **Y**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, ___, 28, 30 ☐ → **P**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 ☐ → **E**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, ___, 45, 48 ☐ → **H**

Skip-count by 5s. Fill the blank: 5, 10, ___, 20, 25 ☐ → **D**

Scratch space:

CLUE 5 Missing addends - the last clue

> The computer scanned the backup battery bank to find how many power cells were missing to complete the charge.

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:

8 + ___ = 19 ☐	7 + ___ = 16 ☐	8 + ___ = 20 ☐	10 + ___ = 17 ☐
2 + ___ = 3 ☐	2 + ___ = 7 ☐	4 + ___ = 8 ☐	7 + ___ = 17 ☐	1 + ___ = 7 ☐
10 + ___ = 12 ☐	9 + ___ = 17 ☐		

Step 2 - cross out the sentence with each answer:

1. The villain launched a grapple cannon, then tossed a cheesy grenade.
2. The villain fired a freeze ray, then squirted a jelly blaster.
3. The villain activated a magnet suit, then ignited rocket boots.
4. The villain fired a freeze ray, then swung a stun baton.
5. The villain activated a magnet suit, then squirted a jelly blaster.
6. The villain activated a magnet suit, then tossed a cheesy grenade.
7. The villain launched a grapple cannon, then ignited rocket boots.
8. The villain fired a freeze ray, then ignited rocket boots.
9. The villain activated a magnet suit, then swung a stun baton.
10. The villain blasted a fart gun, then swung a stun baton.
11. The villain blasted a fart gun, then ignited rocket boots.
12. The villain fired a freeze ray, then tossed a cheesy grenade.

TEACHER / PARENT

Answer Key

The Great Banana Ray Heist

Culprit: Lance

Magnet Suit · Rocket Boots · Single Lens · Spiky Top · Shiny Coins

Trail: Start 21 → Clue 1 15 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SUSPECT WAS NOT CARRYING A JELLY BLASTER"

10 + 9 = 19 (T) · 10 + 3 = 13 (O) · 2 + 2 = 4 (R) · 9 + 8 = 17 (I) · 12 + 6 = 18 (N) · 3 + 4 = 7 (A) · 5 + 3 = 8 (U) · 8 + 4 = 12 (E) · 5 + 6 = 11 (J) · 4 + 10 = 14 (S) · 9 + 7 = 16 (G) · 7 + 8 = 15 (Y) · 3 + 7 = 10 (C) · 1 + 2 = 3 (B) · 3 + 3 = 6 (W) · 1 + 1 = 2 (L) · 7 + 13 = 20 (H) · 3 + 6 = 9 (P)

Clue 2 (Multiplication facts (1-12)): "SECURITY CAMERAS SPOTTED A SINGLE LENS GOGGLE"

6 × 11 = 66 (S) · 1 × 11 = 11 (E) · 10 × 2 = 20 (R) · 3 × 9 = 27 (P) · 1 × 1 = 1 (Y) · 1 × 7 = 7 (U) · 3 × 11 = 33 (O) · 8 × 7 = 56 (D) · 4 × 10 = 40 (T) · 6 × 6 = 36 (C) · 6 × 9 = 54 (G) · 11 × 9 = 99 (L) · 7 × 9 = 63 (N) · 12 × 9 = 108 (I) · 10 × 5 = 50 (M) · 5 × 12 = 60 (A)

Clue 3 (Subtraction): "THE CRIMINALS TRIPPED OVER SHINY COINS"

19 - 7 = 12 (T) · 13 - 9 = 4 (A) · 19 - 3 = 16 (O) · 9 - 6 = 3 (C) · 17 - 4 = 13 (D) · 13 - 7 = 6 (E) · 13 - 8 = 5 (M) · 14 - 7 = 7 (I) · 8 - 7 = 1 (N) · 16 - 1 = 15 (S) · 17 - 7 = 10 (R) · 19 - 1 = 18 (H) · 19 - 8 = 11 (P) · 4 - 2 = 2 (V) · 17 - 9 = 8 (Y) · 20 - 1 = 19 (L)

Clue 4 (Skip counting): "LAB SWABS REVEALED A SPIKY TOP HAIR TUFT"

Skip-count by 3s. Fill the blank: 3, 6, 9, ___, 15, 18 = 12 (L) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, ___, 50, 55 = 45 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, ___, 100, 110 = 90 (O) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, ___, 42, 45 = 39 (W) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, ___, 60, 65 = 55 (K) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, ___, 55, 60 = 50 (F) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, ___, 120, 130 = 110 (I) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, ___, 75, 80 = 70 (B) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, ___, 36, 39 = 33 (V) · Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 = 9 (S) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 = 100 (A) · Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 = 6 (R) · Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 = 8 (T) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 = 16 (Y) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, ___, 28, 30 = 26 (P) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 = 28 (E) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, ___, 45, 48 = 42 (H) · Skip-count by 5s. Fill the blank: 5, 10, ___, 20, 25 = 15 (D)

Clue 5 (Missing addends): surviving statement is box 3 → Lance

8 + ___ = 19 = 11 · 7 + ___ = 16 = 9 · 8 + ___ = 20 = 12 · 10 + ___ = 17 = 7 · 2 + ___ = 3 = 1 · 2 + ___ = 7 = 5 · 4 + ___ = 8 = 4 · 7 + ___ = 17 = 10 · 1 + ___ = 7 = 6 · 10 + ___ = 12 = 2 · 9 + ___ = 17 = 8