Mystery at the Monster League Arena

Grade 3 math · Rounding, Addition, Subtraction, Multiplication, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

Head Referee Sparky's golden championship trophy vanished right before the final match! A rogue creature trainer snuck into the vault. Solve the math clues to find out who did it!

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 creature trainer is _____

Possible suspects

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

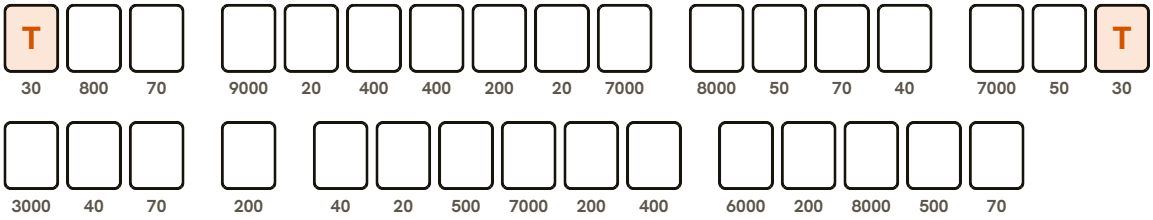
NAME	MONSTER TYPE	BATTLE GEAR	WRISTBAND SIDE	CAP COLOR	FAVORITE BERRY
Trainer Bea	Grass Type	Power Glove	Left Wristband	Green Cap	Spicy Berry
Trainer Blue	Fire Type	Power Glove	Right Wristband	Red Cap	Sweet Berry
Trainer Gordie	Electric Type	Ultra Net	Left Wristband	Blue Cap	Spicy Berry
Trainer Melony	Fire Type	Signal Badge	Left Wristband	Green Cap	Sour Berry
Trainer Raihan	Electric Type	Ultra Net	Right Wristband	Red Cap	Spicy Berry
Trainer Brock	Grass Type	Power Glove	Right Wristband	Blue Cap	Sweet Berry
Trainer Clemont	Fire Type	Spark Boots	Left Wristband	Green Cap	Spicy Berry
Trainer Nessa	Water Type	Heavy Shield	Right Wristband	Red Cap	Sweet Berry
Trainer May	Electric Type	Power Glove	Left Wristband	Green Cap	Spicy Berry
Trainer Leon	Grass Type	Power Glove	Left Wristband	Red Cap	Sweet Berry
Trainer Serena	Water Type	Spark Boots	Right Wristband	Red Cap	Sweet Berry
Trainer Hop	Water Type	Spark Boots	Right Wristband	Blue Cap	Spicy Berry
Trainer Kabu	Water Type	Power Glove	Left Wristband	Red Cap	Sweet Berry
Trainer Milo	Fire Type	Heavy Shield	Right Wristband	Green Cap	Spicy Berry
Trainer Ash	Electric Type	Spark Boots	Right Wristband	Red Cap	Spicy Berry
Trainer Iris	Electric Type	Heavy Shield	Left Wristband	Blue Cap	Sour Berry
Trainer Allister	Water Type	Power Glove	Right Wristband	Green Cap	Sweet Berry
Trainer Piers	Grass Type	Signal Badge	Left Wristband	Green Cap	Sour Berry
Trainer Red	Grass Type	Heavy Shield	Right Wristband	Red Cap	Spicy Berry
Trainer Misty	Fire Type	Signal Badge	Right Wristband	Red Cap	Sweet Berry
Trainer Goh	Ice Type	Spark Boots	Right Wristband	Red Cap	Sweet Berry

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CLUE 1 Rounding

> The arena radar scanner rounds all creature energy levels to the nearest hundred.

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



Round 34 to the nearest ten ☐ → T

Round 247 to the nearest hundred ☐ → A

Round 534 to the nearest hundred ☐ → G

Round 6,121 to the nearest thousand ☐ → B

Round 430 to the nearest hundred ☐ → L

Round 8,125 to the nearest thousand ☐ → D

Round 8,639 to the nearest thousand ☐ → V

Round 2,546 to the nearest thousand ☐ → U

Round 73 to the nearest ten ☐ → E

Round 18 to the nearest ten ☐ → I

Round 6,814 to the nearest thousand ☐ → N

Round 53 to the nearest ten ☐ → O

Round 826 to the nearest hundred ☐ → H

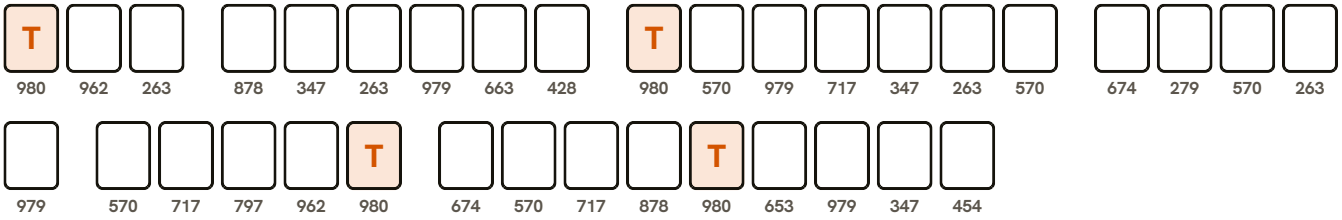
Round 41 to the nearest ten ☐ → S

Scratch space:

CLUE 2 Addition

> Detective Jax adds up all the fallen monster capsules found near the stage.

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



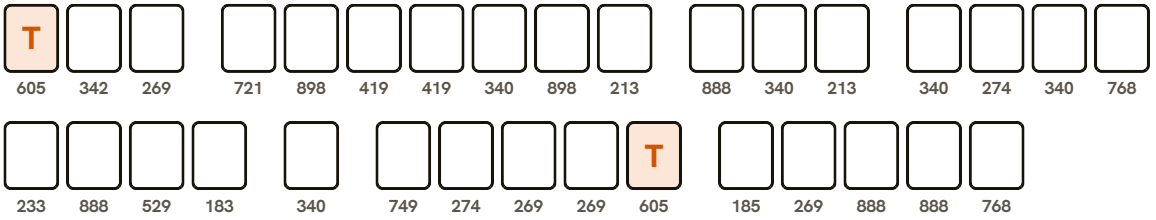
577 + 403 = ☐ → T	361 + 517 = ☐ → S	209 + 219 = ☐ → Y
150 + 197 = ☐ → N	84 + 179 = ☐ → E	106 + 173 = ☐ → O
333 + 464 = ☐ → G	377 + 297 = ☐ → W	377 + 193 = ☐ → R
337 + 326 = ☐ → K	363 + 599 = ☐ → H	230 + 224 = ☐ → D
426 + 227 = ☐ → B	475 + 242 = ☐ → I	409 + 570 = ☐ → A

Scratch space:

CLUE 3 Subtraction

Jax subtracts the stolen berries from the gym supply inventory.

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



766 - 161 = ☐ → T

508 - 166 = ☐ → H

371 - 158 = ☐ → N

841 - 312 = ☐ → O

1088 - 339 = ☐ → S

1179 - 291 = ☐ → R

278 - 95 = ☐ → M

749 - 28 = ☐ → V

536 - 262 = ☐ → W

279 - 10 = ☐ → E

803 - 35 = ☐ → Y

1265 - 367 = ☐ → I

288 - 103 = ☐ → B

674 - 255 = ☐ → L

522 - 289 = ☐ → F

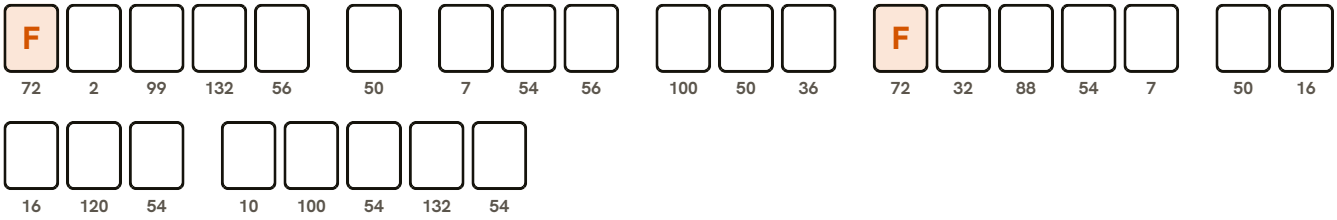
569 - 229 = ☐ → A

Scratch space:

CLUE 4 Multiplication facts (1-12)

> The mystery footprint grid shows equal rows of boots stamped in the dirt.

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



9 × 8 = ☐ → F	2 × 1 = ☐ → O	7 × 8 = ☐ → D
10 × 10 = ☐ → C	1 × 7 = ☐ → R	10 × 12 = ☐ → H
9 × 11 = ☐ → U	6 × 6 = ☐ → P	11 × 8 = ☐ → B
2 × 5 = ☐ → S	11 × 12 = ☐ → N	9 × 6 = ☐ → E
2 × 8 = ☐ → T	10 × 5 = ☐ → A	8 × 4 = ☐ → I

Scratch space:

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

> Jax splits the remaining clue cards equally among the five rookie detectives.

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:

36 ÷ 9 = ☐ | 132 ÷ 12 = ☐ | 35 ÷ 5 = ☐ | 42 ÷ 7 = ☐ | 32 ÷ 4 = ☐

72 ÷ 6 = ☐ | 40 ÷ 4 = ☐ | 2 ÷ 2 = ☐ | 18 ÷ 9 = ☐ | 63 ÷ 7 = ☐

30 ÷ 6 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain splashes through the gate, then scoops up the loot with an ultra net.
2. The villain scorches the vault lock, then scoops up the loot with an ultra net.
3. The villain splashes through the gate, then blocks the guards with a heavy shield.
4. The villain splashes through the gate, then dashes away with spark boots.
5. The villain tangles the alarm wires, then blocks the guards with a heavy shield.
6. The villain tangles the alarm wires, then scoops up the loot with an ultra net.
7. The villain scorches the vault lock, then smashes the glass with a power glove.
8. The villain scorches the vault lock, then blocks the guards with a heavy shield.
9. The villain freezes the trophy case, then smashes the glass with a power glove.
10. The villain zaps the security grid, then smashes the glass with a power glove.
11. The villain freezes the trophy case, then dashes away with spark boots.
12. The villain zaps the security grid, then dashes away with spark boots.

TEACHER / PARENT

Answer Key

Mystery at the Monster League Arena

Culprit: Trainer Nessa

Water Type · Heavy Shield · Right Wristband · Red Cap · Sweet Berry

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT USE A SIGNAL BADGE"

Round 34 to the nearest ten = 30 (T) · Round 247 to the nearest hundred = 200 (A) · Round 534 to the nearest hundred = 500 (G) · Round 6,121 to the nearest thousand = 6000 (B) · Round 430 to the nearest hundred = 400 (L) · Round 8,125 to the nearest thousand = 8000 (D) · Round 8,639 to the nearest thousand = 9000 (V) · Round 2,546 to the nearest thousand = 3000 (U) · Round 73 to the nearest ten = 70 (E) · Round 18 to the nearest ten = 20 (I) · Round 6,814 to the nearest thousand = 7000 (N) · Round 53 to the nearest ten = 50 (O) · Round 826 to the nearest hundred = 800 (H) · Round 41 to the nearest ten = 40 (S)

Clue 2 (Addition): "THE SNEAKY TRAINER WORE A RIGHT WRISTBAND"

577 + 403 = 980 (T) · 361 + 517 = 878 (S) · 209 + 219 = 428 (Y) · 150 + 197 = 347 (N) · 84 + 179 = 263 (E) · 106 + 173 = 279 (O) · 333 + 464 = 797 (G) · 377 + 297 = 674 (W) · 377 + 193 = 570 (R) · 337 + 326 = 663 (K) · 363 + 599 = 962 (H) · 230 + 224 = 454 (D) · 426 + 227 = 653 (B) · 475 + 242 = 717 (I) · 409 + 570 = 979 (A)

Clue 3 (Subtraction): "THE VILLAIN RAN AWAY FROM A SWEET BERRY"

766 - 161 = 605 (T) · 508 - 166 = 342 (H) · 371 - 158 = 213 (N) · 841 - 312 = 529 (O) · 1088 - 339 = 749 (S) · 1179 - 291 = 888 (R) · 278 - 95 = 183 (M) · 749 - 28 = 721 (V) · 536 - 262 = 274 (W) · 279 - 10 = 269 (E) · 803 - 35 = 768 (Y) · 1265 - 367 = 898 (I) · 288 - 103 = 185 (B) · 674 - 255 = 419 (L) · 522 - 289 = 233 (F) · 569 - 229 = 340 (A)

Clue 4 (Multiplication facts (1-12)): "FOUND A RED CAP FIBER AT THE SCENE"

9 × 8 = 72 (F) · 2 × 1 = 2 (O) · 7 × 8 = 56 (D) · 10 × 10 = 100 (C) · 1 × 7 = 7 (R) · 10 × 12 = 120 (H) · 9 × 11 = 99 (U) · 6 × 6 = 36 (P) · 11 × 8 = 88 (B) · 2 × 5 = 10 (S) · 11 × 12 = 132 (N) · 9 × 6 = 54 (E) · 2 × 8 = 16 (T) · 10 × 5 = 50 (A) · 8 × 4 = 32 (I)

Clue 5 (Division facts (1-12)): surviving statement is box 3 → Trainer Nessa

36 ÷ 9 = 4 · 132 ÷ 12 = 11 · 35 ÷ 5 = 7 · 42 ÷ 7 = 6 · 32 ÷ 4 = 8 · 72 ÷ 6 = 12 · 40 ÷ 4 = 10 · 2 ÷ 2 = 1 · 18 ÷ 9 = 2 · 63 ÷ 7 = 9 · 30 ÷ 6 = 5