The Mystery of the Missing Monster Egg

Grade 2 math · Addition, Subtraction, Multiplication, Skip counting, Missing addends · Reading level grades 1-2

Detective: _____ **Date:** _____

Someone took the rare glowing monster egg right before the big battle tournament. Help the Ranger Squad 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 Rival Trainer is _____

Possible suspects

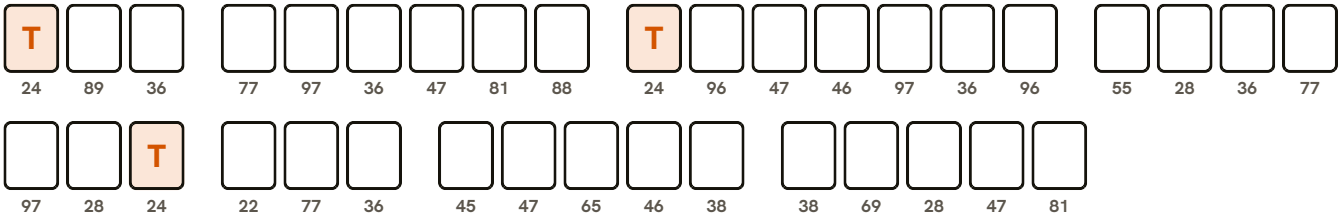
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	MONSTER TYPE	BATTLE GEAR	WATCH WRIST	CAP COLOR	FAVORITE BERRY
Maya	Grass Leaf	Magic Cloak	Wears Watch On Left	Red Cap	Sour Lemon Berry
Misty	Water Splash	Power Band	Wears Watch On Left	Green Cap	Sour Lemon Berry
Leo	Water Splash	Power Band	Wears Watch On Left	Blue Cap	Spicy Pepper Berry
Clemont	Electric Zap	Power Band	Wears Watch On Right	Blue Cap	Sour Lemon Berry
Ruby	Grass Leaf	Magic Cloak	Wears Watch On Left	Blue Cap	Sour Lemon Berry
Dawn	Fire Flame	Speedy Boots	Wears Watch On Right	Green Cap	Spicy Pepper Berry
Iris	Fire Flame	Magic Cloak	Wears Watch On Right	Green Cap	Spicy Pepper Berry
Nora	Electric Zap	Magic Cloak	Wears Watch On Right	Green Cap	Spicy Pepper Berry
Brock	Electric Zap	Shield Badge	Wears Watch On Right	Red Cap	Spicy Pepper Berry
Luna	Fire Flame	Feather Charm	Wears Watch On Left	Red Cap	Sour Lemon Berry
Zoe	Grass Leaf	Power Band	Wears Watch On Right	Blue Cap	Sour Lemon Berry
Rex	Psychic Glow	Feather Charm	Wears Watch On Left	Red Cap	Sour Lemon Berry
Flora	Psychic Glow	Shield Badge	Wears Watch On Left	Green Cap	Sour Lemon Berry
May	Electric Zap	Speedy Boots	Wears Watch On Left	Green Cap	Sour Lemon Berry
Toby	Psychic Glow	Power Band	Wears Watch On Left	Green Cap	Sour Lemon Berry
Cinder	Electric Zap	Magic Cloak	Wears Watch On Right	Blue Cap	Sweet Peach Berry
Ash	Psychic Glow	Power Band	Wears Watch On Left	Green Cap	Spicy Pepper Berry
Serena	Fire Flame	Power Band	Wears Watch On Right	Green Cap	Sour Lemon Berry
Sparky	Fire Flame	Feather Charm	Wears Watch On Left	Green Cap	Spicy Pepper Berry
River	Psychic Glow	Feather Charm	Wears Watch On Right	Blue Cap	Sour Lemon Berry
Kai	Fire Flame	Magic Cloak	Wears Watch On Left	Green Cap	Sour Lemon Berry

CLUE 1 Addition

Ranger Sam found monster footprints in two yards and added them together to read the clue.

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



17 + 7 = ☐ → T

37 + 60 = ☐ → N

17 + 19 = ☐ → E

49 + 47 = ☐ → R

52 + 29 = ☐ → K

21 + 34 = ☐ → D

22 + 24 = ☐ → I

31 + 57 = ☐ → Y

29 + 18 = ☐ → A

16 + 6 = ☐ → U

16 + 12 = ☐ → O

34 + 35 = ☐ → L

43 + 34 = ☐ → S

19 + 19 = ☐ → C

42 + 47 = ☐ → H

29 + 16 = ☐ → M

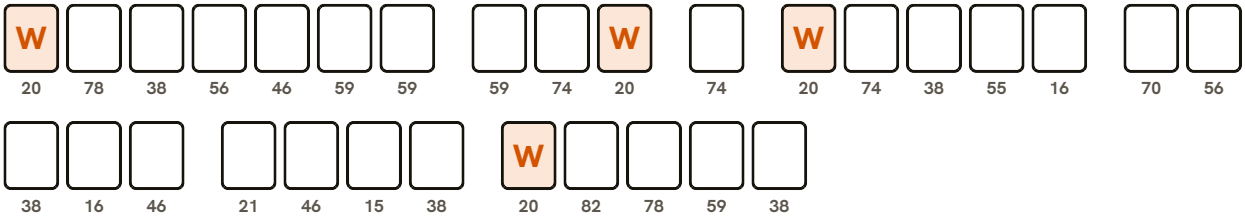
44 + 21 = ☐ → G

Scratch space:

CLUE 2 Subtraction

The caretaker dropped some monster snacks from her bag and subtracted the lost ones to find a clue.

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



48 - 28 = ☐ → W

115 - 37 = ☐ → I

92 - 18 = ☐ → A

55 - 40 = ☐ → F

70 - 24 = ☐ → E

85 - 29 = ☐ → N

30 - 14 = ☐ → H

69 - 31 = ☐ → T

83 - 13 = ☐ → O

42 - 21 = ☐ → L

84 - 2 = ☐ → R

89 - 34 = ☐ → C

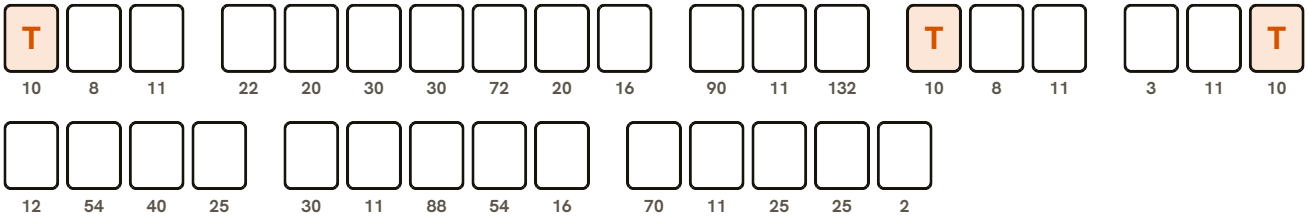
80 - 21 = ☐ → S

Scratch space:

CLUE 3 Multiplication facts (1-12)

> The team lined up monster cards in equal rows to decode the next clue.

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



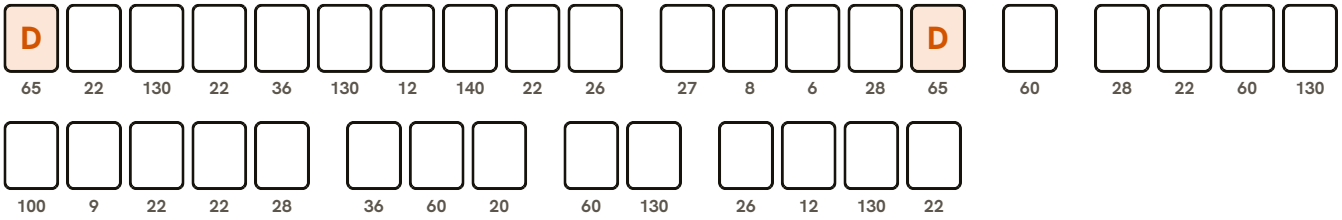
2 × 5 = ☐ → T	2 × 8 = ☐ → N	4 × 3 = ☐ → S	4 × 10 = ☐ → U
1 × 3 = ☐ → P	9 × 10 = ☐ → F	6 × 9 = ☐ → O	1 × 2 = ☐ → Y
3 × 10 = ☐ → L	10 × 7 = ☐ → B	11 × 2 = ☐ → V	
1 × 8 = ☐ → H	1 × 11 = ☐ → E	8 × 11 = ☐ → M	
5 × 5 = ☐ → R	8 × 9 = ☐ → A	5 × 4 = ☐ → I	
11 × 12 = ☐ → D			

Scratch space:

CLUE 4 Skip counting

The kids counted glowing monster eggs by twos to reveal a secret note.

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



Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, ___, 70, 75 ☐ → **D**

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, ___, 30, 33 ☐ → **F**

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, ___, 65, 70 ☐ → **A**

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, ___, 140, 150 ☐ → **T**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, ___, 39, 42 ☐ → **C**

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

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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, ___, 150, 160 ☐ → V

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, ___, 14, 16 ☐ → I

Scratch space:

CLUE 5 Missing addends - the last clue

> The ranger checked the total badge count to figure out the missing badges and unlock the final 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:

7 + ___ = 13 ☐	4 + ___ = 12 ☐	1 + ___ = 3 ☐	4 + ___ = 8 ☐
7 + ___ = 18 ☐	2 + ___ = 5 ☐	2 + ___ = 3 ☐	4 + ___ = 14 ☐
9 + ___ = 16 ☐	9 + ___ = 18 ☐	8 + ___ = 20 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain creates a glowing mind shield, then turns invisible with a magic cloak.
2. The villain creates a glowing mind shield, then boosts power with a power band.
3. The villain shoots a big water bubble, then blocks traps using a shield badge.
4. The villain sparks a bright thunder jolt, then floats up with a feather charm.
5. The villain sparks a bright thunder jolt, then dashes away using speedy boots.
6. The villain shoots a big water bubble, then boosts power with a power band.
7. The villain creates a glowing mind shield, then floats up with a feather charm.
8. The villain creates a glowing mind shield, then blocks traps using a shield badge.
9. The villain shoots a big water bubble, then dashes away using speedy boots.
10. The villain shouts a flame attack command, then floats up with a feather charm.
11. The villain whips a long leaf vine, then blocks traps using a shield badge.
12. The villain sparks a bright thunder jolt, then blocks traps using a shield badge.

TEACHER / PARENT

Answer Key

The Mystery of the Missing Monster Egg

Culprit: May

Electric Zap · Speedy Boots · Wears Watch On Left · Green Cap · Sour Lemon Berry

Trail: Start 21 → Clue 1 15 → Clue 2 9 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY TRAINER DOES NOT USE MAGIC CLOAK"

17 + 7 = 24 (T) · 37 + 60 = 97 (N) · 17 + 19 = 36 (E) · 49 + 47 = 96 (R) · 52 + 29 = 81 (K) · 21 + 34 = 55 (D) · 22 + 24 = 46 (I) · 31 + 57 = 88 (Y) · 29 + 18 = 47 (A) · 16 + 6 = 22 (U) · 16 + 12 = 28 (O) · 34 + 35 = 69 (L) · 43 + 34 = 77 (S) · 19 + 19 = 38 (C) · 42 + 47 = 89 (H) · 29 + 16 = 45 (M) · 44 + 21 = 65 (G)

Clue 2 (Subtraction): "WITNESS SAW A WATCH ON THE LEFT WRIST"

48 - 28 = 20 (W) · 115 - 37 = 78 (I) · 92 - 18 = 74 (A) · 55 - 40 = 15 (F) · 70 - 24 = 46 (E) · 85 - 29 = 56 (N) · 30 - 14 = 16 (H) · 69 - 31 = 38 (T) · 83 - 13 = 70 (O) · 42 - 21 = 21 (L) · 84 - 2 = 82 (R) · 89 - 34 = 55 (C) · 80 - 21 = 59 (S)

Clue 3 (Multiplication facts (1-12)): "THE VILLAIN FED THE PET SOUR LEMON BERRY"

2 × 5 = 10 (T) · 2 × 8 = 16 (N) · 4 × 3 = 12 (S) · 4 × 10 = 40 (U) · 1 × 3 = 3 (P) · 9 × 10 = 90 (F) · 6 × 9 = 54 (O) · 1 × 2 = 2 (Y) · 3 × 10 = 30 (L) · 10 × 7 = 70 (B) · 11 × 2 = 22 (V) · 1 × 8 = 8 (H) · 1 × 11 = 11 (E) · 8 × 11 = 88 (M) · 5 × 5 = 25 (R) · 8 × 9 = 72 (A) · 5 × 4 = 20 (I) · 11 × 12 = 132 (D)

Clue 4 (Skip counting): "DETECTIVES FOUND A NEAT GREEN CAP AT SITE"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, ___, 70, 75 = 65 (D) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, ___, 22, 24 = 20 (P) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 = 28 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, ___, 30, 33 = 27 (F) · Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 = 8 (O) · Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 = 9 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, ___, 65, 70 = 60 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, ___, 28, 30 = 26 (S) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, ___, 140, 150 = 130 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, ___, 39, 42 = 36 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, ___, 24, 26 = 22 (E) · Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 = 6 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 = 100 (G) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, ___, 150, 160 = 140 (V) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, ___, 14, 16 = 12 (I)

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

7 + ___ = 13 = 6 · 4 + ___ = 12 = 8 · 1 + ___ = 3 = 2 · 4 + ___ = 8 = 4 · 7 + ___ = 18 = 11 · 2 + ___ = 5 = 3 · 2 + ___ = 3 = 1 · 4 + ___ = 14 = 10 · 9 + ___ = 16 = 7 · 9 + ___ = 18 = 9 · 8 + ___ = 20 = 12