The Missing Trophy Mystery

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

Detective: _____ **Date:** _____

Someone snatched the big golden trophy right off the field before kickoff! Coach Miller needs your help to catch the 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 Trophy Thief is _____

Possible suspects

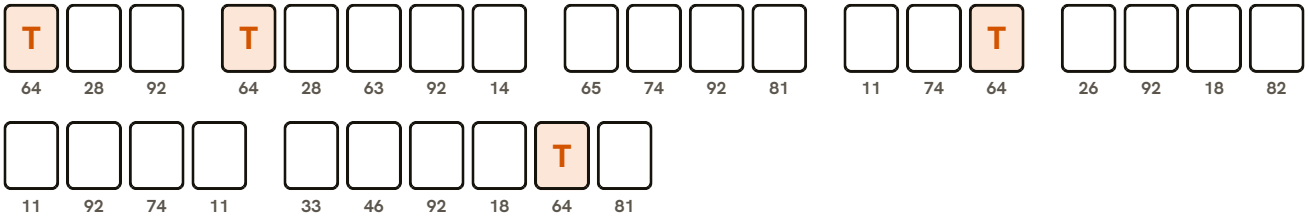
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SPECIAL SKILL	FAVORITE GEAR	WRISTBAND HAND	HELMET TRIM	WEAKNESS
JaMarr Chase	High Jumper	Foam Finger	Right Hand Wristband	Red Helmet Trim	Loud Whistle Sound
George Kittle	Turbo Sprint	Sticky Gloves	Left Hand Wristband	Gold Helmet Trim	Bright Stadium Lights
Joey Bosa	Sneaky Stealer	Sticky Gloves	Right Hand Wristband	Gold Helmet Trim	Bright Stadium Lights
Lamar Jackson	Cannon Arm	Neon Cleats	Left Hand Wristband	Gold Helmet Trim	Loud Whistle Sound
Cooper Kupp	Cannon Arm	Neon Cleats	Left Hand Wristband	Gold Helmet Trim	Muddy Puddles
Jalen Hurts	Sneaky Stealer	Neon Cleats	Right Hand Wristband	Red Helmet Trim	Loud Whistle Sound
Justin Herbert	Cannon Arm	Foam Finger	Left Hand Wristband	Blue Helmet Trim	Bright Stadium Lights
Justin Jefferson	Sneaky Stealer	Neon Cleats	Right Hand Wristband	Gold Helmet Trim	Bright Stadium Lights
DeAndre Hopkins	Turbo Sprint	Gold Whistle	Left Hand Wristband	Red Helmet Trim	Loud Whistle Sound
Stefon Diggs	Turbo Sprint	Neon Cleats	Right Hand Wristband	Red Helmet Trim	Loud Whistle Sound
Davante Adams	Cannon Arm	Heavy Pads	Right Hand Wristband	Blue Helmet Trim	Loud Whistle Sound
Aaron Donald	Turbo Sprint	Sticky Gloves	Left Hand Wristband	Red Helmet Trim	Loud Whistle Sound
Travis Kelce	Cannon Arm	Sticky Gloves	Right Hand Wristband	Red Helmet Trim	Bright Stadium Lights
TJ Watt	Turbo Sprint	Neon Cleats	Left Hand Wristband	Gold Helmet Trim	Bright Stadium Lights
Derrick Henry	Turbo Sprint	Foam Finger	Right Hand Wristband	Blue Helmet Trim	Bright Stadium Lights
Josh Allen	Turbo Sprint	Heavy Pads	Left Hand Wristband	Red Helmet Trim	Muddy Puddles
Joe Burrow	Turbo Sprint	Sticky Gloves	Right Hand Wristband	Red Helmet Trim	Loud Whistle Sound
Micah Parsons	High Jumper	Gold Whistle	Right Hand Wristband	Red Helmet Trim	Loud Whistle Sound
Tyreek Hill	Cannon Arm	Sticky Gloves	Right Hand Wristband	Red Helmet Trim	Loud Whistle Sound
Myles Garrett	High Jumper	Foam Finger	Right Hand Wristband	Gold Helmet Trim	Loud Whistle Sound
Patrick Mahomes	Turbo Sprint	Foam Finger	Right Hand Wristband	Red Helmet Trim	Muddy Puddles

CLUE 1 Place value

Coach Miller checks the team jersey numbers on the board. The tens and ones digits reveal a clue!

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



What number has 6 tens and 4 ones? ☐ → T

What number has 1 ten and 4 ones? ☐ → F

What number has 6 tens and 5 ones? ☐ → D

What number has 9 tens and 2 ones? ☐ → E

What number has 7 tens and 4 ones? ☐ → O

What number has 2 tens and 8 ones? ☐ → H

What number has 1 ten and 1 one? ☐ → N

What number has 2 tens and 6 ones? ☐ → W

What number has 1 ten and 8 ones? ☐ → A

What number has 3 tens and 3 ones? ☐ → C

What number has 6 tens and 3 ones? ☐ → I

What number has 8 tens and 2 ones? ☐ → R

What number has 8 tens and 1 one? ☐ → S

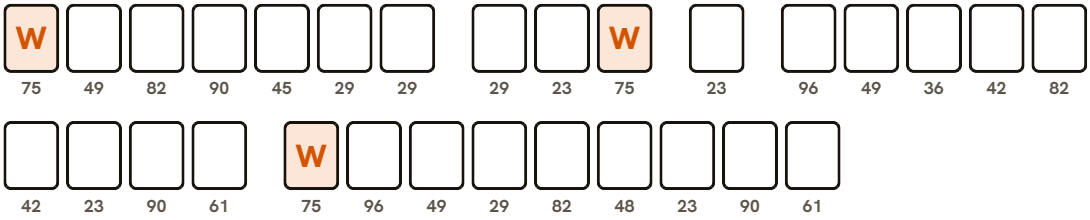
What number has 4 tens and 6 ones? ☐ → L

Scratch space:

CLUE 2 Addition

You add up all the helmets lined up on the bench to find your next lead.

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



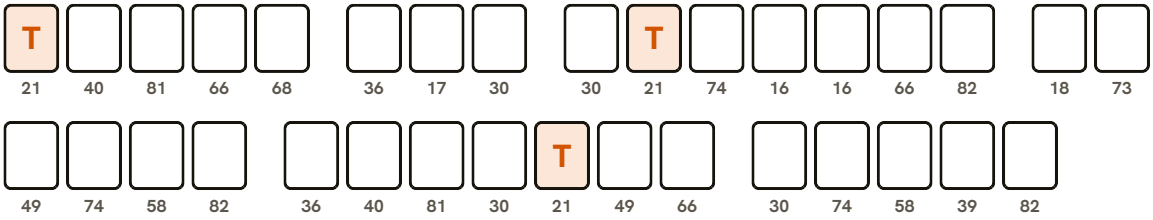
32 + 43 = ☐ → W	30 + 31 = ☐ → D	45 + 45 = ☐ → N
33 + 63 = ☐ → R	19 + 30 = ☐ → I	20 + 9 = ☐ → S
14 + 22 = ☐ → G	54 + 28 = ☐ → T	23 + 25 = ☐ → B
15 + 8 = ☐ → A	21 + 24 = ☐ → E	17 + 25 = ☐ → H

Scratch space:

CLUE 3 Subtraction

You count how many footballs are left in the bag after practice to spot the missing gear.

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



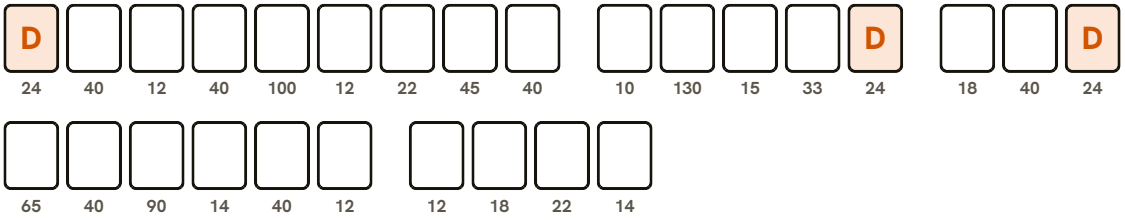
32 - 11 = ☐ → T	71 - 5 = ☐ → E	55 - 39 = ☐ → P
49 - 13 = ☐ → W	49 - 10 = ☐ → N	94 - 21 = ☐ → Y
70 - 2 = ☐ → F	85 - 36 = ☐ → L	114 - 40 = ☐ → O
30 - 12 = ☐ → B	59 - 1 = ☐ → U	112 - 31 = ☐ → I
56 - 26 = ☐ → S	50 - 33 = ☐ → A	104 - 22 = ☐ → D
78 - 38 = ☐ → H		

Scratch space:

CLUE 4 Skip counting

You skip count along the yard lines by tens to search the grass for dropped clues.

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, 12, 15, 18, 21, ___, 27, 30 ☐ → D

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, ___, 18, 21 ☐ → U

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, ___, 21, 24 ☐ → R

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

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

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

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

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, ___, 12, 14 ☐ → F

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, ___, 16, 18 ☐ → M

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

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

Scratch space:

CLUE 5 Missing addends - the last clue

You figure out how many extra points are missing on the scoreboard to unlock the final hint.

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:

3 + ___ = 6 ☐	2 + ___ = 12 ☐	5 + ___ = 17 ☐	2 + ___ = 11 ☐
4 + ___ = 12 ☐	9 + ___ = 13 ☐	10 + ___ = 11 ☐	5 + ___ = 12 ☐
9 + ___ = 11 ☐	6 + ___ = 12 ☐	3 + ___ = 14 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain snatched the gold ball, then waved a foam finger.
2. The villain jumped over the bench, then laced up neon cleats.
3. The villain sprinted past the defense, then adjusted sticky gloves.
4. The villain threw a long pass, then laced up neon cleats.
5. The villain jumped over the bench, then blew a gold whistle.
6. The villain tackled the practice dummy, then adjusted sticky gloves.
7. The villain threw a long pass, then blew a gold whistle.
8. The villain tackled the practice dummy, then blew a gold whistle.
9. The villain snatched the gold ball, then laced up neon cleats.
10. The villain threw a long pass, then adjusted sticky gloves.
11. The villain sprinted past the defense, then blew a gold whistle.
12. The villain jumped over the bench, then waved a foam finger.

TEACHER / PARENT

Answer Key

The Missing Trophy Mystery

Culprit: Micah Parsons

High Jumper · Gold Whistle · Right Hand Wristband · Red Helmet Trim · Loud Whistle Sound

Trail: Start 21 → Clue 1 15 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE THIEF DOES NOT WEAR NEON CLEATS"

What number has 6 tens and 4 ones? = 64 (T) · What number has 1 ten and 4 ones? = 14 (F) · What number has 6 tens and 5 ones? = 65 (D) · What number has 9 tens and 2 ones? = 92 (E) · What number has 7 tens and 4 ones? = 74 (O) · What number has 2 tens and 8 ones? = 28 (H) · What number has 1 ten and 1 one? = 11 (N) · What number has 2 tens and 6 ones? = 26 (W) · What number has 1 ten and 8 ones? = 18 (A) · What number has 3 tens and 3 ones? = 33 (C) · What number has 6 tens and 3 ones? = 63 (I) · What number has 8 tens and 2 ones? = 82 (R) · What number has 8 tens and 1 one? = 81 (S) · What number has 4 tens and 6 ones? = 46 (L)

Clue 2 (Addition): "WITNESS SAW A RIGHT HAND WRISTBAND"

32 + 43 = 75 (W) · 30 + 31 = 61 (D) · 45 + 45 = 90 (N) · 33 + 63 = 96 (R) · 19 + 30 = 49 (I) · 20 + 9 = 29 (S) · 14 + 22 = 36 (G) · 54 + 28 = 82 (T) · 23 + 25 = 48 (B) · 15 + 8 = 23 (A) · 21 + 24 = 45 (E) · 17 + 25 = 42 (H)

Clue 3 (Subtraction): "THIEF WAS STOPPED BY LOUD WHISTLE SOUND"

32 - 11 = 21 (T) · 71 - 5 = 66 (E) · 55 - 39 = 16 (P) · 49 - 13 = 36 (W) · 49 - 10 = 39 (N) · 94 - 21 = 73 (Y) · 70 - 2 = 68 (F) · 85 - 36 = 49 (L) · 114 - 40 = 74 (O) · 30 - 12 = 18 (B) · 59 - 1 = 58 (U) · 112 - 31 = 81 (I) · 56 - 26 = 30 (S) · 50 - 33 = 17 (A) · 104 - 22 = 82 (D) · 78 - 38 = 40 (H)

Clue 4 (Skip counting): "DETECTIVE FOUND RED HELMET TRIM"

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

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

3 + ___ = 6 = 3 · 2 + ___ = 12 = 10 · 5 + ___ = 17 = 12 · 2 + ___ = 11 = 9 · 4 + ___ = 12 = 8 · 9 + ___ = 13 = 4 · 10 + ___ = 11 = 1 · 5 + ___ = 12 = 7 · 9 + ___ = 11 = 2 · 6 + ___ = 12 = 6 · 3 + ___ = 14 = 11