The Great Game Day Mystery

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

Detective: _____ **Date:** _____

Someone swiped the championship trophy right before kickoff. Coach Leo found clues around the field. Help him catch the sneaker before halftime.

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 stadium sneaker is _____

Possible suspects

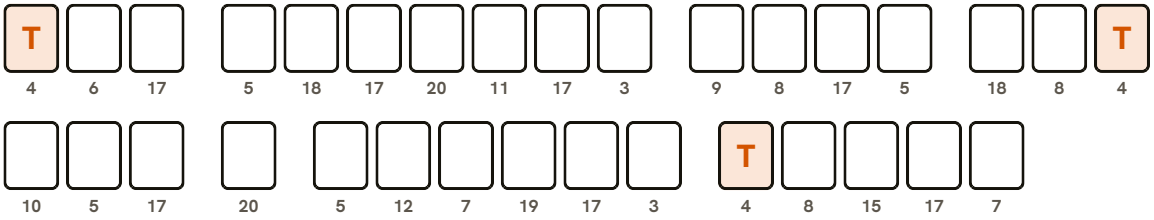
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE MOVE	LUCKY GEAR	HELMET STRIPE	TOWEL COLOR	WEAKNESS
Deebo Samuel	Power Jump	Neon Gloves	Blue Stripe	Black Towel	Bright Lights
Christian McCaffrey	Rocket Kick	Star Armband	Red Stripe	Black Towel	Slippery Mud
Justin Jefferson	Power Jump	Lucky Coin	Blue Stripe	Black Towel	Bright Lights
Amon Ra St Brown	Power Jump	Golden Whistle	Blue Stripe	Black Towel	Loud Horn
Tua Tagovailoa	Mega Tackle	Silver Towel	Red Stripe	White Towel	Slippery Mud
Aaron Donald	Spin Move	Silver Towel	Blue Stripe	White Towel	Bright Lights
T J Watt	Mega Tackle	Golden Whistle	Red Stripe	Black Towel	Slippery Mud
Josh Allen	Power Jump	Star Armband	Red Stripe	Black Towel	Loud Horn
Joe Burrow	Turbo Sprint	Lucky Coin	Blue Stripe	Black Towel	Bright Lights
Tyreek Hill	Mega Tackle	Neon Gloves	Red Stripe	Green Towel	Slippery Mud
Davante Adams	Turbo Sprint	Neon Gloves	Red Stripe	White Towel	Slippery Mud
Stefon Diggs	Rocket Kick	Golden Whistle	Red Stripe	White Towel	Slippery Mud
Travis Kelce	Rocket Kick	Star Armband	Red Stripe	White Towel	Slippery Mud
George Kittle	Power Jump	Golden Whistle	Red Stripe	White Towel	Bright Lights
Lamar Jackson	Rocket Kick	Star Armband	Blue Stripe	White Towel	Slippery Mud
Fred Warner	Turbo Sprint	Lucky Coin	Red Stripe	Green Towel	Slippery Mud
Myles Garrett	Mega Tackle	Golden Whistle	Red Stripe	White Towel	Slippery Mud
CeeDee Lamb	Rocket Kick	Lucky Coin	Blue Stripe	Green Towel	Slippery Mud
Jalen Hurts	Rocket Kick	Neon Gloves	Red Stripe	Green Towel	Bright Lights
Derrick Henry	Spin Move	Lucky Coin	Blue Stripe	Black Towel	Loud Horn
Nick Bosa	Spin Move	Star Armband	Red Stripe	Green Towel	Slippery Mud

CLUE 1 Addition

Coach Leo counted all the footballs brought out for warmups.

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



3 + 1 = ☐ → T	4 + 7 = ☐ → K	7 + 2 = ☐ → D	6 + 6 = ☐ → I
1 + 5 = ☐ → H	5 + 2 = ☐ → L	4 + 4 = ☐ → O	6 + 11 = ☐ → E
7 + 8 = ☐ → W	5 + 13 = ☐ → N	8 + 11 = ☐ → V	
1 + 2 = ☐ → R	4 + 1 = ☐ → S	6 + 14 = ☐ → A	3 + 7 = ☐ → U

Scratch space:

CLUE 2 Subtraction

> The referee checked how many helmets were left after equipment check.

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

W									W				
7	1	9	3	17	14	14	14	15	7	15	6	17	13

14	9	6	1	19	17	2	3	9	12	17	12	17	8	16	17	9

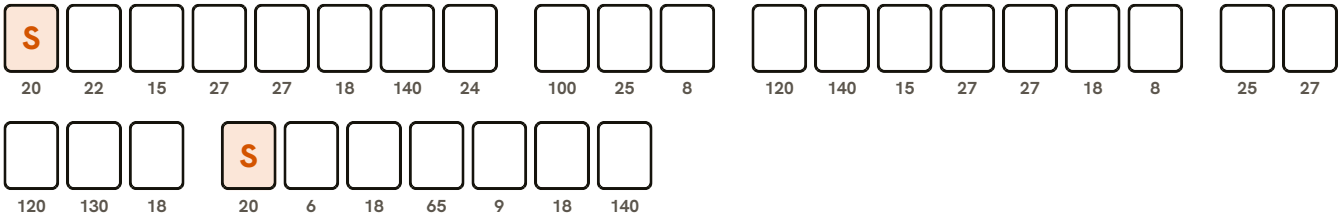
10 - 3 = ☐ → W	20 - 6 = ☐ → S	11 - 3 = ☐ → L	
17 - 1 = ☐ → M	13 - 7 = ☐ → R	20 - 8 = ☐ → H	
19 - 4 = ☐ → A	16 - 7 = ☐ → T	10 - 9 = ☐ → I	4 - 1 = ☐ → N
18 - 5 = ☐ → D	5 - 3 = ☐ → O	20 - 1 = ☐ → P	20 - 3 = ☐ → E

Scratch space:

CLUE 3 Skip counting

The water captain counted hydration bottles by twos along the sideline.

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



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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 ☐ → **T**

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

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

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

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

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

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

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

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

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

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, ___, 26, 28 ☐ → **Y**

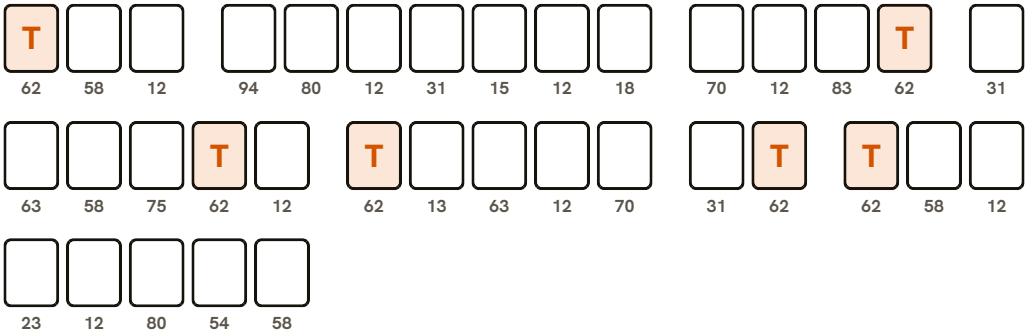
Scratch space:

CLUE 4

Place value

The announcer looked at the tens and ones on the stadium scoreboard readout.

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



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

What number has 7 tens and 0 ones? ☐ → L

What number has 5 tens and 4 ones? ☐ → C

What number has 7 tens and 5 ones? ☐ → I

What number has 9 tens and 4 ones? ☐ → S

What number has 2 tens and 3 ones? ☐ → B

What number has 5 tens and 8 ones? ☐ → H

What number has 1 ten and 2 ones? ☐ → E

What number has 1 ten and 5 ones? ☐ → K

What number has 1 ten and 3 ones? ☐ → O

What number has 8 tens and 3 ones? ☐ → F

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

What number has 8 tens and 0 ones? ☐ → N

What number has 3 tens and 1 one? ☐ → A

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

Scratch space:

CLUE 5 Missing addends - the last clue

> The mascot needed to figure out how many points were still missing from the team total.

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 + ___ = 11 ☐	3 + ___ = 4 ☐	4 + ___ = 16 ☐	4 + ___ = 12 ☐
10 + ___ = 19 ☐	2 + ___ = 4 ☐	3 + ___ = 9 ☐	3 + ___ = 13 ☐
3 + ___ = 8 ☐	8 + ___ = 12 ☐	9 + ___ = 16 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain uses a rocket kick, then adjusts the star armband.
2. The villain executes a power jump, then adjusts the star armband.
3. The villain starts a turbo sprint, then puts on the neon gloves.
4. The villain delivers a mega tackle, then puts on the neon gloves.
5. The villain uses a rocket kick, then wipes off with the silver towel.
6. The villain performs a spin move, then puts on the neon gloves.
7. The villain executes a power jump, then flips the lucky coin.
8. The villain executes a power jump, then puts on the neon gloves.
9. The villain executes a power jump, then wipes off with the silver towel.
10. The villain performs a spin move, then grabs the golden whistle.
11. The villain delivers a mega tackle, then grabs the golden whistle.
12. The villain uses a rocket kick, then grabs the golden whistle.

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TEACHER / PARENT

Answer Key

The Great Game Day Mystery

Culprit: Myles Garrett

Mega Tackle · Golden Whistle · Red Stripe · White Towel · Slippery Mud

Trail: Start 21 → Clue 1 19 → Clue 2 12 → Clue 3 9 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKER DOES NOT USE A SILVER TOWEL"

3 + 1 = 4 (T) · 4 + 7 = 11 (K) · 7 + 2 = 9 (D) · 6 + 6 = 12 (I) · 1 + 5 = 6 (H) · 5 + 2 = 7 (L) · 4 + 4 = 8 (O) · 6 + 11 = 17 (E) · 7 + 8 = 15 (W) · 5 + 13 = 18 (N) · 8 + 11 = 19 (V) · 1 + 2 = 3 (R) · 4 + 1 = 5 (S) · 6 + 14 = 20 (A) · 3 + 7 = 10 (U)

Clue 2 (Subtraction): "WITNESS SAW A RED STRIPE ON THE HELMET"

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

Clue 3 (Skip counting): "SLIPPERY MUD TRIPPED UP THE SNEAKER"

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

Clue 4 (Place value): "THE SNEAKER LEFT A WHITE TOWEL AT THE BENCH"

What number has 6 tens and 2 ones? = 62 (T) · What number has 7 tens and 0 ones? = 70 (L) · What number has 5 tens and 4 ones? = 54 (C) · What number has 7 tens and 5 ones? = 75 (I) · What number has 9 tens and 4 ones? = 94 (S) · What number has 2 tens and 3 ones? = 23 (B) · What number has 5 tens and 8 ones? = 58 (H) · What number has 1 ten and 2 ones? = 12 (E) · What number has 1 ten and 5 ones? = 15 (K) · What number has 1 ten and 3 ones? = 13 (O) · What number has 8 tens and 3 ones? = 83 (F) · What number has 6 tens and 3 ones? = 63 (W) · What number has 8 tens and 0 ones? = 80 (N) · What number has 3 tens and 1 one? = 31 (A) · What number has 1 ten and 8 ones? = 18 (R)

Clue 5 (Missing addends): surviving statement is box 11 → Myles Garrett

8 + ___ = 11 = 3 · 3 + ___ = 4 = 1 · 4 + ___ = 16 = 12 · 4 + ___ = 12 = 8 · 10 + ___ = 19 = 9 · 2 + ___ = 4 = 2 · 3 + ___ = 9 = 6 · 3 + ___ = 13 = 10 · 3 + ___ = 8 = 5 · 8 + ___ = 12 = 4 · 9 + ___ = 16 = 7