The Golden Trophy Takedown

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

Detective: _____ **Date:** _____

The Golden Championship Trophy disappeared right before kickoff! Detective, check the field clues and find out which football star swiped the trophy.

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 Playbook Thief is _____

Possible suspects

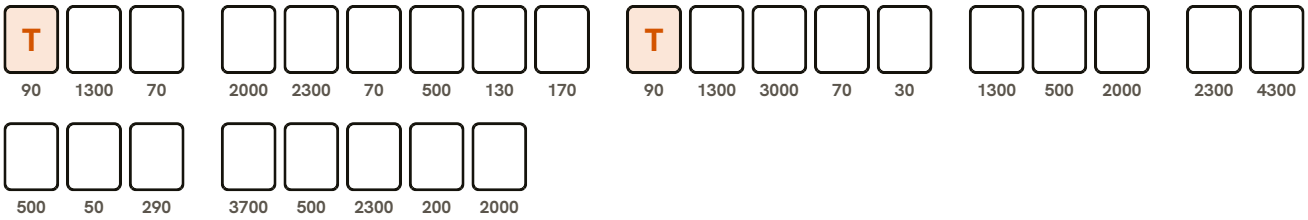
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE MOVE	GEAR PIECE	DOMINANT HAND	HAIRSTYLE	DISTRACTION
Patrick Mahomes	Spin Move	Padded Gloves	Left Handed	Curly Afro	Whistle Blast
Davante Adams	Rocket Arm	Padded Gloves	Right Handed	Curly Afro	Loud Cheering
AJ Brown	Speed Burst	Visor Mask	Left Handed	Buzz Cut	Loud Cheering
Aaron Donald	Precision Kicking	Cleat Spikes	Right Handed	Buzz Cut	Bright Floodlights
Deebo Samuel	Speed Burst	Padded Gloves	Right Handed	Buzz Cut	Whistle Blast
Nick Bosa	Rocket Arm	Cleat Spikes	Right Handed	Buzz Cut	Bright Floodlights
Justin Jefferson	Rocket Arm	Cleat Spikes	Right Handed	Buzz Cut	Loud Cheering
Jalen Hurts	Spin Move	Padded Gloves	Right Handed	Long Dreads	Bright Floodlights
Fred Warner	Rocket Arm	Gold Helmet	Left Handed	Buzz Cut	Loud Cheering
Joe Burrow	Precision Kicking	Gold Helmet	Right Handed	Buzz Cut	Loud Cheering
Christian McCaffrey	Rocket Arm	Visor Mask	Right Handed	Buzz Cut	Loud Cheering
George Kittle	Power Tackling	Cleat Spikes	Left Handed	Long Dreads	Bright Floodlights
Tyreek Hill	Power Tackling	Cleat Spikes	Left Handed	Long Dreads	Loud Cheering
Lamar Jackson	Speed Burst	Padded Gloves	Right Handed	Curly Afro	Whistle Blast
Josh Allen	Precision Kicking	Padded Gloves	Right Handed	Buzz Cut	Loud Cheering
Justin Tucker	Rocket Arm	Cleat Spikes	Left Handed	Curly Afro	Bright Floodlights
Maxx Crosby	Rocket Arm	Arm Bands	Right Handed	Buzz Cut	Loud Cheering
CeeDee Lamb	Speed Burst	Gold Helmet	Left Handed	Curly Afro	Bright Floodlights
Micah Parsons	Power Tackling	Cleat Spikes	Right Handed	Long Dreads	Loud Cheering
Travis Kelce	Rocket Arm	Gold Helmet	Right Handed	Curly Afro	Loud Cheering
Myles Garrett	Speed Burst	Visor Mask	Right Handed	Buzz Cut	Bright Floodlights

CLUE 1 Rounding

> The stadium scoreboard rounds ticket totals to the nearest hundred. Decode the board to narrow down suspects.

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



Round 87 to the nearest ten ☐ → **T**

Round 290 to the nearest ten ☐ → **M**

Round 242 to the nearest hundred ☐ → **D**

Round 74 to the nearest ten ☐ → **E**

Round 31 to the nearest ten ☐ → **F**

Round 50 to the nearest ten ☐ → **R**

Round 2,733 to the nearest thousand ☐ → **I**

Round 2,278 to the nearest hundred ☐ → **N**

Round 128 to the nearest ten ☐ → **K**

Round 3,652 to the nearest hundred ☐ → **B**

Round 473 to the nearest hundred ☐ → **A**

Round 170 to the nearest ten ☐ → **Y**

Round 1,345 to the nearest hundred ☐ → **H**

Round 2,120 to the nearest thousand ☐ → **S**

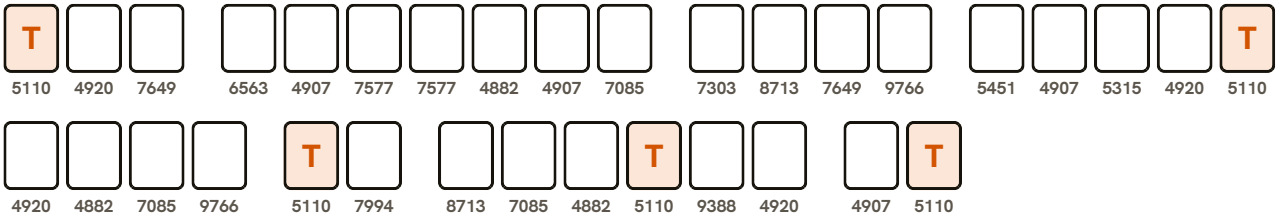
Round 4,337 to the nearest hundred ☐ → **O**

Scratch space:

CLUE 2 Addition

Coach counted up all the practice footballs added to the equipment bag to uncover another hint.

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



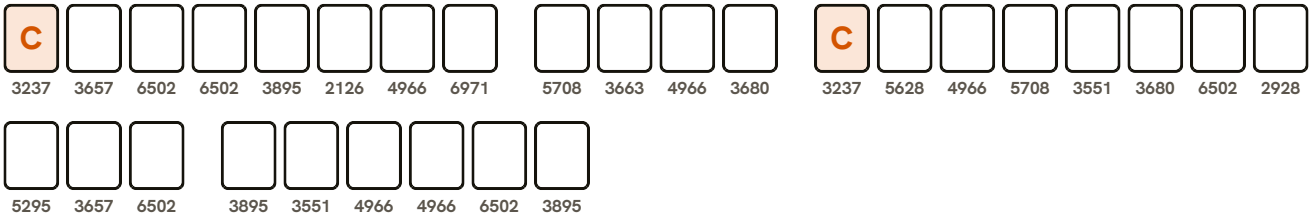
3285 + 1825 = ☐ → T	2636 + 5013 = ☐ → E	3310 + 6456 = ☐ → D
3429 + 3656 = ☐ → N	3145 + 1737 = ☐ → A	2789 + 2662 = ☐ → R
3862 + 5526 = ☐ → C	2154 + 3161 = ☐ → G	2576 + 2331 = ☐ → I
3318 + 4676 = ☐ → O	4160 + 4553 = ☐ → S	3716 + 3587 = ☐ → U
2479 + 2441 = ☐ → H	4032 + 2531 = ☐ → V	3284 + 4293 = ☐ → L

Scratch space:

CLUE 3 Subtraction

The mascot subtracted the lost yards from total penalties to find a secret clue dropped on the turf.

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



3441 - 204 = ☐ → C

4247 - 352 = ☐ → R

11548 - 4577 = ☐ → G

4875 - 2749 = ☐ → I

11425 - 4923 = ☐ → E

6338 - 1043 = ☐ → T

9774 - 4808 = ☐ → N

4410 - 753 = ☐ → H

10504 - 4796 = ☐ → F

3748 - 68 = ☐ → S

9162 - 3534 = ☐ → O

6833 - 3905 = ☐ → D

5412 - 1749 = ☐ → A

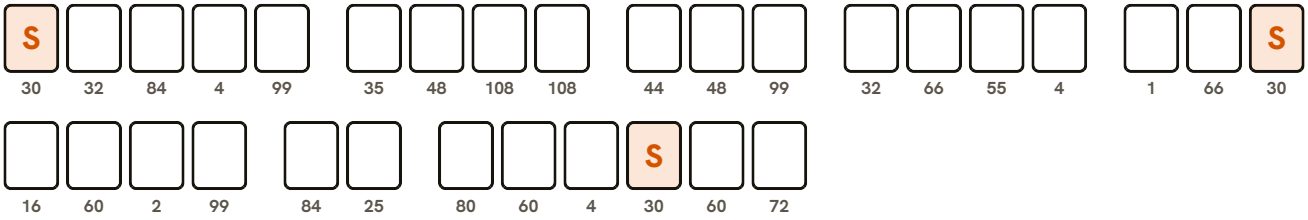
4222 - 671 = ☐ → U

Scratch space:

CLUE 4 Multiplication facts (1-12)

The referee checked the rows of bleachers multiplied by the seats in each section for hidden evidence.

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



10 × 3 = ☐ → S

10 × 8 = ☐ → J

4 × 8 = ☐ → H

2 × 1 = ☐ → F

1 × 1 = ☐ → W

11 × 4 = ☐ → C

8 × 6 = ☐ → U

11 × 5 = ☐ → I

5 × 12 = ☐ → E

5 × 5 = ☐ → N

12 × 7 = ☐ → O

4 × 4 = ☐ → L

12 × 6 = ☐ → Y

2 × 2 = ☐ → R

12 × 9 = ☐ → Z

5 × 7 = ☐ → B

11 × 9 = ☐ → T

11 × 6 = ☐ → A

Scratch space:

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

> The team divided the water bottles evenly among the warm-up drills to reveal the final answer.

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 ÷ 12 = ☐ | 1 ÷ 1 = ☐ | 48 ÷ 8 = ☐ | 8 ÷ 2 = ☐ | 12 ÷ 6 = ☐

35 ÷ 7 = ☐ | 80 ÷ 8 = ☐ | 108 ÷ 9 = ☐ | 49 ÷ 7 = ☐ | 81 ÷ 9 = ☐

56 ÷ 7 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain kicked a field goal, then shone the gold helmet.
2. The villain kicked a field goal, then cleaned the cleat spikes.
3. The villain threw a spiral pass, then adjusted the visor mask.
4. The villain tackled the dummy, then tightened the padded gloves.
5. The villain dashed down the sideline, then tightened the padded gloves.
6. The villain threw a spiral pass, then cleaned the cleat spikes.
7. The villain threw a spiral pass, then shone the gold helmet.
8. The villain did a spin move, then cleaned the cleat spikes.
9. The villain kicked a field goal, then adjusted the visor mask.
10. The villain dashed down the sideline, then adjusted the visor mask.
11. The villain kicked a field goal, then tightened the padded gloves.
12. The villain dashed down the sideline, then shone the gold helmet.

TEACHER / PARENT

Answer Key

The Golden Trophy Takedown

Culprit: Josh Allen

Precision Kicking · Padded Gloves · Right Handed · Buzz Cut · Loud Cheering

Trail: Start 21 → Clue 1 20 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE SNEAKY THIEF HAS NO ARM BANDS"

Round 87 to the nearest ten = 90 (T) · Round 290 to the nearest ten = 290 (M) · Round 242 to the nearest hundred = 200 (D) · Round 74 to the nearest ten = 70 (E) · Round 31 to the nearest ten = 30 (F) · Round 50 to the nearest ten = 50 (R) · Round 2,733 to the nearest thousand = 3000 (I) · Round 2,278 to the nearest hundred = 2300 (N) · Round 128 to the nearest ten = 130 (K) · Round 3,652 to the nearest hundred = 3700 (B) · Round 473 to the nearest hundred = 500 (A) · Round 170 to the nearest ten = 170 (Y) · Round 1,345 to the nearest hundred = 1300 (H) · Round 2,120 to the nearest thousand = 2000 (S) · Round 4,337 to the nearest hundred = 4300 (O)

Clue 2 (Addition): "THE VILLAIN USED RIGHT HAND TO SNATCH IT"

3285 + 1825 = 5110 (T) · 2636 + 5013 = 7649 (E) · 3310 + 6456 = 9766 (D) · 3429 + 3656 = 7085 (N) · 3145 + 1737 = 4882 (A) · 2789 + 2662 = 5451 (R) · 3862 + 5526 = 9388 (C) · 2154 + 3161 = 5315 (G) · 2576 + 2331 = 4907 (I) · 3318 + 4676 = 7994 (O) · 4160 + 4553 = 8713 (S) · 3716 + 3587 = 7303 (U) · 2479 + 2441 = 4920 (H) · 4032 + 2531 = 6563 (V) · 3284 + 4293 = 7577 (L)

Clue 3 (Subtraction): "CHEERING FANS CONFUSED THE RUNNER"

3441 - 204 = 3237 (C) · 4247 - 352 = 3895 (R) · 11548 - 4577 = 6971 (G) · 4875 - 2749 = 2126 (I) · 11425 - 4923 = 6502 (E) · 6338 - 1043 = 5295 (T) · 9774 - 4808 = 4966 (N) · 4410 - 753 = 3657 (H) · 10504 - 4796 = 5708 (F) · 3748 - 68 = 3680 (S) · 9162 - 3534 = 5628 (O) · 6833 - 3905 = 2928 (D) · 5412 - 1749 = 3663 (A) · 4222 - 671 = 3551 (U)

Clue 4 (Multiplication facts (1-12)): "SHORT BUZZ CUT HAIR WAS LEFT ON JERSEY"

10 × 3 = 30 (S) · 10 × 8 = 80 (J) · 4 × 8 = 32 (H) · 2 × 1 = 2 (F) · 1 × 1 = 1 (W) · 11 × 4 = 44 (C) · 8 × 6 = 48 (U) · 11 × 5 = 55 (I) · 5 × 12 = 60 (E) · 5 × 5 = 25 (N) · 12 × 7 = 84 (O) · 4 × 4 = 16 (L) · 12 × 6 = 72 (Y) · 2 × 2 = 4 (R) · 12 × 9 = 108 (Z) · 5 × 7 = 35 (B) · 11 × 9 = 99 (T) · 11 × 6 = 66 (A)

Clue 5 (Division facts (1-12)): surviving statement is box 11 → Josh Allen

36 ÷ 12 = 3 · 1 ÷ 1 = 1 · 48 ÷ 8 = 6 · 8 ÷ 2 = 4 · 12 ÷ 6 = 2 · 35 ÷ 7 = 5 · 80 ÷ 8 = 10 · 108 ÷ 9 = 12 · 49 ÷ 7 = 7 · 81 ÷ 9 = 9 · 56 ÷ 7 = 8