The Great Gridiron Trophy Heist

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

Detective: _____ **Date:** _____

Someone sneaked into Endzone Stadium during Friday night practice and took the Championship Trophy! Work through the math clues to uncover the culprit.

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

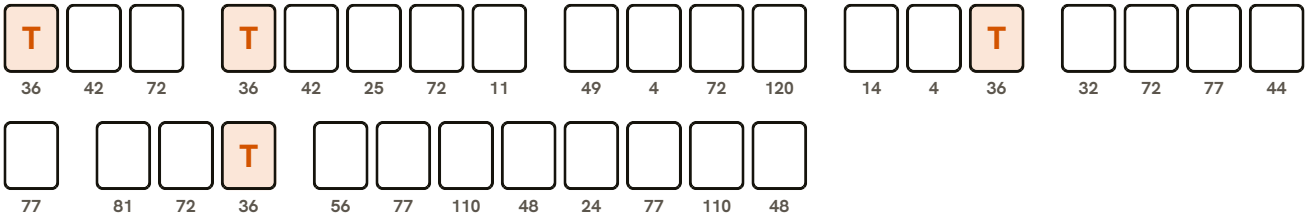
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE GEAR	SPECIAL PERK	THROWING HAND	HAIRSTYLE	DISTRACTION
Patrick Mahomes	Mega Football	Glow Gloves	Left Handed	Buzz Cut	Squeaky Shoes
Justin Jefferson	Mega Football	Sonic Horn	Left Handed	Long Hair	Yellow Flags
Davante Adams	Gold Whistle	Radar Watch	Left Handed	Long Hair	Loud Horns
CeeDee Lamb	Turbo Helmet	Radar Watch	Left Handed	Buzz Cut	Yellow Flags
Derrick Henry	Laser Visor	Power Cape	Left Handed	Curly Hair	Squeaky Shoes
Joe Burrow	Gold Whistle	Power Cape	Left Handed	Curly Hair	Squeaky Shoes
Amon-Ra St. Brown	Mega Football	Sonic Horn	Left Handed	Curly Hair	Squeaky Shoes
Saquon Barkley	Turbo Helmet	Radar Watch	Right Handed	Buzz Cut	Loud Horns
Jalen Hurts	Gold Whistle	Radar Watch	Left Handed	Curly Hair	Yellow Flags
Nick Bosa	Super Cleats	Radar Watch	Left Handed	Buzz Cut	Loud Horns
Aaron Donald	Mega Football	Power Cape	Left Handed	Buzz Cut	Loud Horns
Myles Garrett	Turbo Helmet	Glow Gloves	Left Handed	Buzz Cut	Yellow Flags
George Kittle	Mega Football	Glow Gloves	Right Handed	Buzz Cut	Squeaky Shoes
Stefon Diggs	Super Cleats	Glow Gloves	Right Handed	Long Hair	Loud Horns
Christian McCaffrey	Mega Football	Power Cape	Right Handed	Long Hair	Loud Horns
Travis Kelce	Turbo Helmet	Radar Watch	Left Handed	Buzz Cut	Loud Horns
T.J. Watt	Super Cleats	Jet Backpack	Left Handed	Buzz Cut	Squeaky Shoes
Justin Tucker	Turbo Helmet	Power Cape	Left Handed	Buzz Cut	Loud Horns
Micah Parsons	Gold Whistle	Sonic Horn	Right Handed	Curly Hair	Loud Horns
Tee Higgins	Super Cleats	Radar Watch	Right Handed	Long Hair	Squeaky Shoes
Tyreek Hill	Turbo Helmet	Jet Backpack	Left Handed	Buzz Cut	Loud Horns

CLUE 1 Multiplication facts (1-12)

> The coach counts rows of stadium seats to track down where the mystery fan sat during practice.

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



12 × 3 = ☐ → T

11 × 1 = ☐ → F

3 × 8 = ☐ → P

5 × 5 = ☐ → I

7 × 7 = ☐ → D

10 × 12 = ☐ → S

7 × 6 = ☐ → H

6 × 12 = ☐ → E

9 × 9 = ☐ → J

7 × 8 = ☐ → B

12 × 4 = ☐ → K

7 × 2 = ☐ → N

7 × 11 = ☐ → A

4 × 11 = ☐ → R

1 × 4 = ☐ → O

4 × 8 = ☐ → W

10 × 11 = ☐ → C

Scratch space:

CLUE 2 Word problems

The equipment manager needs help solving gear inventory word problems left near the locker room.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A witness saw the villain was

L							D		D
62	73	18	17	26	28	57		73	

.

Quarterback found 18 pylon yesterday and 44 more today. How many pylon in all?

Answer: ☐ → **L**

There were 97 pylon. 24 were used up. How many pylon are left?

Answer: ☐ → **E**

There were 36 pylon. 10 were used up. How many pylon are left?

Answer: ☐ → **H**

Quarterback found 8 pylon yesterday and 9 more today. How many pylon in all?

Answer: ☐ → **T**

Quarterback lined up 6 rows of 3 foam finger. How many foam finger in all?

Answer: ☐ → **F**

Quarterback found 37 pylon yesterday and 20 more today. How many pylon in all?

Answer: ☐ → **N**

Quarterback found 14 foam finger yesterday and 14 more today. How many foam finger in all?

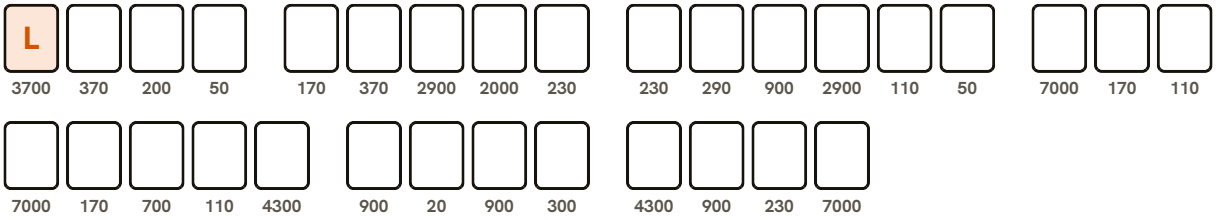
Answer: ☐ → **A**

Scratch space:

CLUE 3 Rounding

The scoreboard radar displays rounded ball speeds that reveal a code on the digital screen.

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



Round 3,696 to the nearest hundred ☐ → L

Round 2,365 to the nearest thousand ☐ → N

Round 208 to the nearest hundred ☐ → U

Round 4,327 to the nearest hundred ☐ → F

Round 24 to the nearest ten ☐ → W

Round 369 to the nearest ten ☐ → O

Round 6,887 to the nearest thousand ☐ → T

Round 2,930 to the nearest hundred ☐ → R

Round 692 to the nearest hundred ☐ → I

Round 226 to the nearest ten ☐ → S

Round 54 to the nearest ten ☐ → D

Round 265 to the nearest hundred ☐ → Y

Round 289 to the nearest ten ☐ → C

Round 166 to the nearest ten ☐ → H

Round 113 to the nearest ten ☐ → E

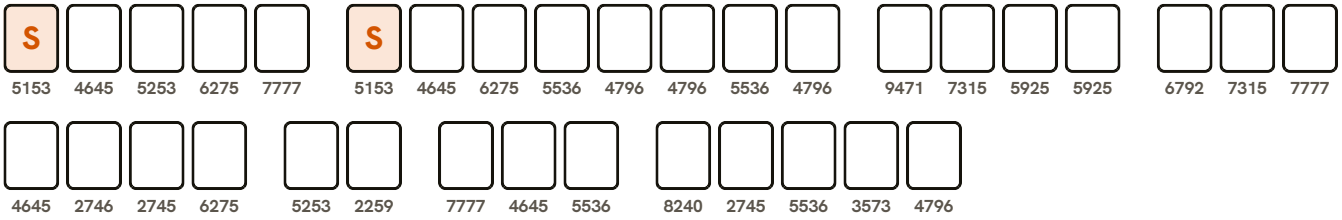
Round 891 to the nearest hundred ☐ → A

Scratch space:

CLUE 4 Addition

The team trainer tallies up all the water bottles and towels collected near the crime scene.

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



3486 + 1667 = ☐ → S

1337 + 922 = ☐ → N

853 + 1893 = ☐ → A

4664 + 4807 = ☐ → B

2925 + 1871 = ☐ → D

4089 + 1836 = ☐ → Z

4496 + 3281 = ☐ → T

4130 + 3185 = ☐ → U

2183 + 4609 = ☐ → C

2143 + 1430 = ☐ → L

3125 + 1520 = ☐ → H

3921 + 4319 = ☐ → F

2463 + 3073 = ☐ → E

2699 + 3576 = ☐ → R

1450 + 1295 = ☐ → I

2857 + 2396 = ☐ → O

Scratch space:

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

> The referees divide practice cones into equal groups to clear the field for the investigation.

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:

9 ÷ 1 = ☐	36 ÷ 3 = ☐	56 ÷ 8 = ☐	56 ÷ 7 = ☐	35 ÷ 7 = ☐
60 ÷ 10 = ☐	48 ÷ 12 = ☐	1 ÷ 1 = ☐	70 ÷ 7 = ☐	12 ÷ 6 = ☐
24 ÷ 8 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain blew a sharp signal with a gold whistle, then swished a heavy power cape.
2. The villain charged through the gate with a turbo helmet, then blared a sonic horn.
3. The villain snatched the trophy with super cleats, then zoomed off with a jet backpack.
4. The villain scouted the field with a laser visor, then flashed bright glow gloves.
5. The villain scouted the field with a laser visor, then swished a heavy power cape.
6. The villain scouted the field with a laser visor, then checked stats on a radar watch.
7. The villain launched a trick pass with a mega football, then swished a heavy power cape.
8. The villain launched a trick pass with a mega football, then checked stats on a radar watch.
9. The villain snatched the trophy with super cleats, then checked stats on a radar watch.
10. The villain launched a trick pass with a mega football, then zoomed off with a jet backpack.
11. The villain charged through the gate with a turbo helmet, then swished a heavy power cape.
12. The villain charged through the gate with a turbo helmet, then checked stats on a radar watch.

TEACHER / PARENT

Answer Key

The Great Gridiron Trophy Heist

Culprit: Justin Tucker

Turbo Helmet · Power Cape · Left Handed · Buzz Cut · Loud Horns

Trail: Start 21 → Clue 1 19 → Clue 2 13 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE THIEF DOES NOT WEAR A JET BACKPACK"

12 × 3 = 36 (T) · 11 × 1 = 11 (F) · 3 × 8 = 24 (P) · 5 × 5 = 25 (I) · 7 × 7 = 49 (D) · 10 × 12 = 120 (S) · 7 × 6 = 42 (H) · 6 × 12 = 72 (E) · 9 × 9 = 81 (J) · 7 × 8 = 56 (B) · 12 × 4 = 48 (K) · 7 × 2 = 14 (N) · 7 × 11 = 77 (A) · 4 × 11 = 44 (R) · 1 × 4 = 4 (O) · 4 × 8 = 32 (W) · 10 × 11 = 110 (C)

Clue 2 (Word problems): "LEFT HANDED"

Quarterback found 18 pylon yesterday and 44 more today. How many pylon in all? = 62 (L) · There were 97 pylon. 24 were used up. How many pylon are left? = 73 (E) · There were 36 pylon. 10 were used up. How many pylon are left? = 26 (H) · Quarterback found 8 pylon yesterday and 9 more today. How many pylon in all? = 17 (T) · Quarterback lined up 6 rows of 3 foam finger. How many foam finger in all? = 18 (F) · Quarterback found 37 pylon yesterday and 20 more today. How many pylon in all? = 57 (N) · Quarterback found 14 foam finger yesterday and 14 more today. How many foam finger in all? = 28 (A)

Clue 3 (Rounding): "LOUD HORNS SCARED THE THIEF AWAY FAST"

Round 3,696 to the nearest hundred = 3700 (L) · Round 2,365 to the nearest thousand = 2000 (N) · Round 208 to the nearest hundred = 200 (U) · Round 4,327 to the nearest hundred = 4300 (F) · Round 24 to the nearest ten = 20 (W) · Round 369 to the nearest ten = 370 (O) · Round 6,887 to the nearest thousand = 7000 (T) · Round 2,930 to the nearest hundred = 2900 (R) · Round 692 to the nearest hundred = 700 (I) · Round 226 to the nearest ten = 230 (S) · Round 54 to the nearest ten = 50 (D) · Round 265 to the nearest hundred = 300 (Y) · Round 289 to the nearest ten = 290 (C) · Round 166 to the nearest ten = 170 (H) · Round 113 to the nearest ten = 110 (E) · Round 891 to the nearest hundred = 900 (A)

Clue 4 (Addition): "SHORT SHREDDED BUZZ CUT HAIR ON THE FIELD"

3486 + 1667 = 5153 (S) · 1337 + 922 = 2259 (N) · 853 + 1893 = 2746 (A) · 4664 + 4807 = 9471 (B) · 2925 + 1871 = 4796 (D) · 4089 + 1836 = 5925 (Z) · 4496 + 3281 = 7777 (T) · 4130 + 3185 = 7315 (U) · 2183 + 4609 = 6792 (C) · 2143 + 1430 = 3573 (L) · 3125 + 1520 = 4645 (H) · 3921 + 4319 = 8240 (F) · 2463 + 3073 = 5536 (E) · 2699 + 3576 = 6275 (R) · 1450 + 1295 = 2745 (I) · 2857 + 2396 = 5253 (O)

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

9 ÷ 1 = 9 · 36 ÷ 3 = 12 · 56 ÷ 8 = 7 · 56 ÷ 7 = 8 · 35 ÷ 7 = 5 · 60 ÷ 10 = 6 · 48 ÷ 12 = 4 · 1 ÷ 1 = 1 · 70 ÷ 7 = 10 · 12 ÷ 6 = 2 · 24 ÷ 8 = 3