



The Great Stadium Ring Mystery

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

Detective: _____ **Date:** _____

Just hours before the big championship game, someone sneaked into the locker room and stole the golden championship ring! The stadium detective needs your math skills to decode the clues and catch the intruder before kickoff.

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 The Gridiron Snatcher 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	KEY GEAR	THROWING HAND	HAIR STYLE	DISTRACTION
Patrick Mahomes	Spin Move	Visor Helmet	Right Handed	Buzzed Blonde Hair	Heavy Fog
George Kittle	Juke Step	Padded Towel	Right Handed	Neon Green Dreadlocks	Heavy Fog
Nick Bosa	Speed Burst	Gold Cleats	Left Handed	Buzzed Blonde Hair	Wet Turf
Saquon Barkley	Stiff Arm	Arm Sleeve	Left Handed	Buzzed Blonde Hair	Heavy Fog
CJ Stroud	Spin Move	Padded Towel	Left Handed	Buzzed Blonde Hair	Heavy Fog
Tyreek Hill	Hurdle Jump	Grip Gloves	Left Handed	Buzzed Blonde Hair	Loud Whistles
Joe Burrow	Stiff Arm	Visor Helmet	Right Handed	Neon Green Dreadlocks	Heavy Fog
Maxx Crosby	Hurdle Jump	Gold Cleats	Left Handed	Buzzed Blonde Hair	Heavy Fog
Micah Parsons	Speed Burst	Visor Helmet	Left Handed	Buzzed Blonde Hair	Loud Whistles
JaMarr Chase	Hurdle Jump	Grip Gloves	Left Handed	Neon Green Dreadlocks	Loud Whistles
Josh Allen	Speed Burst	Gold Cleats	Left Handed	Buzzed Blonde Hair	Heavy Fog
Lamar Jackson	Stiff Arm	Gold Cleats	Left Handed	Neon Green Dreadlocks	Loud Whistles
Myles Garrett	Stiff Arm	Gold Cleats	Left Handed	Neon Green Dreadlocks	Heavy Fog
Derrick Henry	Spin Move	Arm Sleeve	Right Handed	Buzzed Blonde Hair	Heavy Fog
Christian McCaffrey	Hurdle Jump	Grip Gloves	Left Handed	Curly Red Hair	Heavy Fog
Aaron Rodgers	Spin Move	Arm Sleeve	Left Handed	Buzzed Blonde Hair	Heavy Fog
Deebo Samuel	Hurdle Jump	Arm Sleeve	Right Handed	Curly Red Hair	Wet Turf
Davante Adams	Juke Step	Gold Cleats	Left Handed	Buzzed Blonde Hair	Wet Turf
Justin Jefferson	Spin Move	Visor Helmet	Left Handed	Curly Red Hair	Wet Turf
TJ Watt	Speed Burst	Visor Helmet	Left Handed	Curly Red Hair	Heavy Fog
Cooper Kupp	Hurdle Jump	Visor Helmet	Right Handed	Neon Green Dreadlocks	Heavy Fog

CLUE 1

Multiplication facts (1-12)

The coach counts equal rows of football helmets lined up on the benches to find total gear.

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

T										T							T
63	6	64	121	132	49	96	15	45	63	42	45	42	27	30	63		
28	64	8	15	8	96	8	42	42	64	42	63	30	28	64	49		

$7 \times 9 = \square \rightarrow \boxed{\text{T}}$

$12 \times 8 = \square \rightarrow \boxed{\text{P}}$

$2 \times 3 = \square \rightarrow \boxed{\text{H}}$

$5 \times 9 = \square \rightarrow \boxed{\text{I}}$

$7 \times 7 = \square \rightarrow \boxed{\text{L}}$

$11 \times 11 = \square \rightarrow \boxed{\text{C}}$

$6 \times 7 = \square \rightarrow \boxed{\text{D}}$

$11 \times 12 = \square \rightarrow \boxed{\text{U}}$

$8 \times 8 = \square \rightarrow \boxed{\text{E}}$

$3 \times 5 = \square \rightarrow \boxed{\text{R}}$

$6 \times 5 = \square \rightarrow \boxed{\text{O}}$

$4 \times 7 = \square \rightarrow \boxed{\text{W}}$

$3 \times 9 = \square \rightarrow \boxed{\text{N}}$

$1 \times 8 = \square \rightarrow \boxed{\text{A}}$

Scratch space:

CLUE 2 Rounding

The giant stadium scoreboard display glitch only shows numbers rounded to the nearest ten.

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

T					T												T
80	90	8000	70	5000	80	6000	8000	500	500	500	900	70	900	2000	8000	4000	80

						T				
90	900	6000	300	8000	300	80	90	9000	60	70

Round 77 to the nearest ten → **T**

Round 5,231 to the nearest thousand → **I**

Round 940 to the nearest hundred → **A**

Round 4,010 to the nearest thousand → **F**

Round 8,775 to the nearest thousand → **R**

Round 1,843 to the nearest thousand → **L**

Round 57 to the nearest ten → **O**

Round 6,055 to the nearest thousand → **N**

Round 88 to the nearest ten → **H**

Round 336 to the nearest hundred → **D**

Round 66 to the nearest ten → **W**

Round 7,955 to the nearest thousand → **E**

Round 474 to the nearest hundred → **S**

Scratch space:

CLUE 3

Word problems

The head referee checks the team stat sheets to calculate how many total yards were gained.

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

Someone scared the villain off with H G .

51 47 34 78 35 58 53

There were 87 championship rings. 36 were used up. How many championship rings are left?

Answer: → H

There were 77 team jerseys. 24 were used up. How many team jerseys are left?

Answer: → O

There were 92 team jerseys. 14 were used up. How many team jerseys are left?

Answer: → V

Stadium guard found 3 cheer megaphones yesterday and 55 more today. How many cheer megaphones in all?

Answer: → F

Stadium guard found 25 championship rings yesterday and 9 more today. How many championship rings in all?

Answer: → A

There were 49 team jerseys. 2 were used up. How many team jerseys are left?

Answer: → E

Stadium guard lined up 7 rows of 5 water jugs. How many water jugs in all?

Answer: → Y

Scratch space:

CLUE 4

The stadium security lock code relies on matching the hundreds and tens place digits.

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

Diagram showing 18 empty boxes arranged in two rows of nine. The top row has the first box of each group of three containing the letter 'B'. Below each box is a numerical value.

Top row values: 60, 7000, 600, 600, 30, 70, 60, 900, 400, 5000, 70, 30, 10, 4000, 2000, 300, 500, 4000, 3000.

Bottom row values: 3000, 30, 30, 5000, 4000, 40, 5000, 2000, 80, 10, 40.

What is the value of the 6 in 5,563? → **B**

What is the value of the 3 in 236? → **E**

What is the value of the 1 in 612? → **H**

What is the value of the 3 in 3,204? → **S**

What is the value of the 2 in 2,043? → **I**

What is the value of the 9 in 4,966? → **L**

What is the value of the 8 in 7,085? → **G**

What is the value of the 4 in 145? → **T**

What is the value of the 7 in 47,641? → **U**

What is the value of the 7 in 9,474? → **D**

What is the value of the 4 in 4,185? → **A**

What is the value of the 4 in 2,439? → ☐

What is the value of the 6 in 8,632? → **Z**

What is the value of the 5 in 1,501? → **W**

What is the value of the 3 in 7,366? → **R**

What is the value of the 5 in 35,104? → **N**

Scratch space:

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

The team assistant splits total sports drink bottles evenly among all the cooling carts.

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:

$90 \div 9 = \boxed{}$

$63 \div 9 = \boxed{}$

$25 \div 5 = \boxed{}$

$108 \div 12 = \boxed{}$

$121 \div 11 = \boxed{}$

$6 \div 6 = \boxed{}$

$16 \div 8 = \boxed{}$

$60 \div 5 = \boxed{}$

$6 \div 1 = \boxed{}$

$48 \div 6 = \boxed{}$

$16 \div 4 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain used a spin move, then dropped a padded towel.
2. The villain leaped with a hurdle jump, then adjusted a visor helmet.
3. The villain delivered a stiff arm, then pulled up an arm sleeve.
4. The villain leaped with a hurdle jump, then pulled up an arm sleeve.
5. The villain leaped with a hurdle jump, then laced up gold cleats.
6. The villain delivered a stiff arm, then dropped a padded towel.
7. The villain escaped with a speed burst, then laced up gold cleats.
8. The villain leaped with a hurdle jump, then dropped a padded towel.
9. The villain leaped with a hurdle jump, then flashed grip gloves.
10. The villain used a spin move, then pulled up an arm sleeve.
11. The villain used a spin move, then adjusted a visor helmet.
12. The villain escaped with a speed burst, then flashed grip gloves.

Answer Key

The Great Stadium Ring Mystery

Culprit: Saquon Barkley

Stiff Arm · Arm Sleeve · Left Handed · Buzzed Blonde Hair · Heavy Fog

Trail: Start 21 → Clue 1 19 → Clue 2 14 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE CULPRIT DID NOT WEAR A PADDED TOWEL"

$7 \times 9 = 63$ (T) · $12 \times 8 = 96$ (P) · $2 \times 3 = 6$ (H) · $5 \times 9 = 45$ (I) · $7 \times 7 = 49$ (L) · $11 \times 11 = 121$ (C) · $6 \times 7 = 42$ (D) · $11 \times 12 = 132$ (U) · $8 \times 8 = 64$ (E) · $3 \times 5 = 15$ (R) · $6 \times 5 = 30$ (O) · $4 \times 7 = 28$ (W) · $3 \times 9 = 27$ (N) · $1 \times 8 = 8$ (A)

Clue 2 (Rounding): "THE WITNESS SAW A LEFT HANDED THROW"

Round 77 to the nearest ten = 80 (T) · Round 5,231 to the nearest thousand = 5000 (I) · Round 940 to the nearest hundred = 900 (A) · Round 4,010 to the nearest thousand = 4000 (F) · Round 8,775 to the nearest thousand = 9000 (R) · Round 1,843 to the nearest thousand = 2000 (L) · Round 57 to the nearest ten = 60 (O) · Round 6,055 to the nearest thousand = 6000 (N) · Round 88 to the nearest ten = 90 (H) · Round 336 to the nearest hundred = 300 (D) · Round 66 to the nearest ten = 70 (W) · Round 7,955 to the nearest thousand = 8000 (E) · Round 474 to the nearest hundred = 500 (S)

Clue 3 (Word problems): "HEAVY FOG"

There were 87 championship rings. 36 were used up. How many championship rings are left? = 51 (H) · There were 77 team jerseys. 24 were used up. How many team jerseys are left? = 53 (O) · There were 92 team jerseys. 14 were used up. How many team jerseys are left? = 78 (V) · Stadium guard found 3 cheer megaphones yesterday and 55 more today. How many cheer megaphones in all? = 58 (F) · Stadium guard found 25 championship rings yesterday and 9 more today. How many championship rings in all? = 34 (A) · There were 49 team jerseys. 2 were used up. How many team jerseys are left? = 47 (E) · Stadium guard lined up 7 rows of 5 water jugs. How many water jugs in all? = 35 (Y)

Clue 4 (Place value): "BUZZED BLONDE HAIR WAS SEEN AT NIGHT"

What is the value of the 6 in 5,563? = 60 (B) · What is the value of the 3 in 236? = 30 (E) · What is the value of the 1 in 612? = 10 (H) · What is the value of the 3 in 3,204? = 3000 (S) · What is the value of the 2 in 2,043? = 2000 (I) · What is the value of the 9 in 4,966? = 900 (L) · What is the value of the 8 in 7,085? = 80 (G) · What is the value of the 4 in 145? = 40 (T) · What is the value of the 7 in 47,641? = 7000 (U) · What is the value of the 7 in 9,474? = 70 (D) · What is the value of the 4 in 4,185? = 4000 (A) · What is the value of the 4 in 2,439? = 400 (O) · What is the value of the 6 in 8,632? = 600 (Z) · What is the value of the 5 in 1,501? = 500 (W) · What is the value of the 3 in 7,366? = 300 (R) · What is the value of the 5 in 35,104? = 5000 (N)

Clue 5 (Division facts (1-12)): surviving statement is box 3 → Saquon Barkley

$90 \div 9 = 10$ · $63 \div 9 = 7$ · $25 \div 5 = 5$ · $108 \div 12 = 9$ · $121 \div 11 = 11$ · $6 \div 6 = 1$ · $16 \div 8 = 2$ · $60 \div 5 = 12$ · $6 \div 1 = 6$ · $48 \div 6 = 8$ · $16 \div 4 = 4$