



The Championship Ring Mystery

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

Detective: _____ **Date:** _____

Right before kickoff at the big game, someone swiped the golden championship ring from the referee locker room! Use the math clues to identify the suspect.

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 bandit is _____

Possible suspects

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

NAME	SPECIAL MOVE	GEAR ITEM	DOMINANT HAND	HAIR COLOR	DISTRACTION
Joe Burrow	Hurdle Jump	Towel Strap	Left Handed	Blonde Hair	Loud Whistle
Dak Prescott	Hurdle Jump	Grip Gloves	Left Handed	Brown Hair	Slippery Mud
Travis Kelce	Hurdle Jump	Arm Sleeve	Left Handed	Brown Hair	Slippery Mud
Justin Tucker	Blitz Dash	Gold Whistle	Left Handed	Brown Hair	Yellow Flag
Patrick Mahomes	Blitz Dash	Grip Gloves	Right Handed	Black Hair	Yellow Flag
Jalen Hurts	Spin Move	Towel Strap	Right Handed	Black Hair	Loud Whistle
Nick Bosa	Spin Move	Towel Strap	Left Handed	Brown Hair	Slippery Mud
Amon Ra St Brown	Blitz Dash	Grip Gloves	Right Handed	Black Hair	Slippery Mud
CJ Stroud	Juke Step	Gold Whistle	Left Handed	Brown Hair	Loud Whistle
Justin Jefferson	Blitz Dash	Gold Whistle	Left Handed	Black Hair	Slippery Mud
Tyreek Hill	Spin Move	Cleat Spikes	Right Handed	Brown Hair	Slippery Mud
Saquon Barkley	Juke Step	Gold Whistle	Right Handed	Brown Hair	Yellow Flag
Christian McCaffrey	Blitz Dash	Grip Gloves	Left Handed	Blonde Hair	Yellow Flag
TJ Watt	Blitz Dash	Gold Whistle	Right Handed	Black Hair	Yellow Flag
Micah Parsons	Spin Move	Cleat Spikes	Left Handed	Brown Hair	Slippery Mud
Fred Warner	Spin Move	Arm Sleeve	Left Handed	Blonde Hair	Yellow Flag
Josh Allen	Juke Step	Arm Sleeve	Right Handed	Blonde Hair	Yellow Flag
Aaron Donald	Juke Step	Grip Gloves	Left Handed	Brown Hair	Slippery Mud
Sauce Gardner	Spin Move	Arm Sleeve	Left Handed	Brown Hair	Yellow Flag
Lamar Jackson	Stiff Arm	Arm Sleeve	Right Handed	Brown Hair	Slippery Mud
Myles Garrett	Blitz Dash	Arm Sleeve	Right Handed	Blonde Hair	Yellow Flag

CLUE 1

Skip counting

The security tracker counts stadium yard markers by tens to track movement.

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

T																T
120	8	9	16	45	65	65	90	45	60	100	27	9	130	60	27	120
6	9	90	12	90	60	90	12	20	130	65	9	9	16	9		

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 → **H**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 → **V**

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 → **A**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 → **I**

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 → **W**

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 → **N**

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 → **R**

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **E**

Skip-count by 5s. Fill the blank: 5, 10, 15, __, 25, 30



Scratch space:

CLUE 2
Multiplication facts (1-12)

Coach tallies equal groups of practice cones set up on the field.

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

A						A											A	
32	54	81	144	42	63	32	60	108	81	108	42	63	35	88	56	56	32	40

				A									
40	81	81	60	32	42	42	63	81	144	96	81	54	108

$4 \times 8 = \square \rightarrow \text{A}$

$7 \times 5 = \square \rightarrow \text{R}$

$12 \times 8 = \square \rightarrow \text{I}$

$6 \times 7 = \square \rightarrow \text{T}$

$9 \times 6 = \square \rightarrow \text{L}$

$12 \times 12 = \square \rightarrow \text{F}$

$7 \times 9 = \square \rightarrow \text{H}$

$7 \times 8 = \square \rightarrow \text{W}$

$8 \times 11 = \square \rightarrow \text{O}$

$12 \times 9 = \square \rightarrow \text{D}$

$10 \times 4 = \square \rightarrow \text{S}$

$9 \times 9 = \square \rightarrow \text{E}$

$6 \times 10 = \square \rightarrow \text{N}$

Scratch space:

CLUE 3

Word problems

The equipment crew organizes game day gear into separate storage lockers.

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

Someone scared the villain off with

S								M	U	D
35	38	45	58	58	50	30	39			

Coach Miller found 24 helmets yesterday and 11 more today. How many helmets in all?

Answer: → **S**

Coach Miller found 34 clipboards yesterday and 4 more today. How many clipboards in all?

Answer: → **L**

Coach Miller lined up 10 rows of 5 footballs. How many footballs in all?

Answer: → **E**

Coach Miller lined up 3 rows of 10 pylons. How many pylons in all?

Answer: → **R**

Coach Miller found 7 clipboards yesterday and 51 more today. How many clipboards in all?

Answer: → **P**

Coach Miller found 24 footballs yesterday and 15 more today. How many footballs in all?

Answer: → **Y**

There were 75 water bottles. 30 were used up. How many water bottles are left?

Answer: → **I**

Scratch space:

CLUE 4 Place value

The electronic scoreboard displays player jersey digits by hundreds and tens.

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

B																	
1000	3000	2000	600	400	10	9000	50	3000	600	9000	900	6000	60	8000	100	9000	100
100	10	60	900	20	60	400	60	2000	8000	20	3000	50	200	60			

What is the value of the 1 in 21,345?

→

B

What is the value of the 6 in 675?

→

W

What is the value of the 4 in 9,437?

→

N

What is the value of the 8 in 8,902?

→

F

What is the value of the 3 in 43,276?

→

R

What is the value of the 2 in 234?

→

M

What is the value of the 1 in 9,197?

→

T

What is the value of the 2 in 4,728?

→

C

What is the value of the 6 in 7,463?

→

E

What is the value of the 9 in 937?

→

S

What is the value of the 9 in 9,120?

→

A

What is the value of the 1 in 4,717?

→

H

What is the value of the 5 in 159?

→

I

What is the value of the 6 in 46,123?

→

L

What is the value of the 2 in 2,868?

→

O

Scratch space:

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

The referee splits total water bottles equally among five team benches.

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:

$44 \div 4 = \boxed{}$

$24 \div 4 = \boxed{}$

$80 \div 10 = \boxed{}$

$108 \div 9 = \boxed{}$

$60 \div 12 = \boxed{}$

$12 \div 12 = \boxed{}$

$14 \div 7 = \boxed{}$

$36 \div 12 = \boxed{}$

$7 \div 1 = \boxed{}$

$63 \div 7 = \boxed{}$

$60 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain cleared the pile with a hurdle jump, then blew hard on a gold whistle.
2. The villain delivered a stiff arm to escape, then grabbed the prize with grip gloves.
3. The villain executed a juke step near the endzone, then adjusted a tight arm sleeve.
4. The villain executed a juke step near the endzone, then grabbed the prize with grip gloves.
5. The villain cleared the pile with a hurdle jump, then adjusted a tight arm sleeve.
6. The villain used a spin move past the guard, then dug in deep with cleat spikes.
7. The villain delivered a stiff arm to escape, then blew hard on a gold whistle.
8. The villain used a spin move past the guard, then snapped away a towel strap.
9. The villain cleared the pile with a hurdle jump, then dug in deep with cleat spikes.
10. The villain dashed fast during a blitz dash, then snapped away a towel strap.
11. The villain cleared the pile with a hurdle jump, then grabbed the prize with grip gloves.
12. The villain used a spin move past the guard, then grabbed the prize with grip gloves.

Answer Key

The Championship Ring Mystery

Culprit: Aaron Donald

Juke Step · Grip Gloves · Left Handed · Brown Hair · Slippery Mud

Trail: Start 21 → Clue 1 15 → Clue 2 9 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Skip counting): "THE VILLAIN DOES NOT WEAR AN ARM SLEEVE"

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

Clue 2 (Multiplication facts (1-12)): "A LEFT HANDED THROW WAS SEEN AT THE FIELD"

$4 \times 8 = 32$ (A) · $7 \times 5 = 35$ (R) · $12 \times 8 = 96$ (I) · $6 \times 7 = 42$ (T) · $9 \times 6 = 54$ (L) · $12 \times 12 = 144$ (F) · $7 \times 9 = 63$ (H) · $7 \times 8 = 56$ (W) · $8 \times 11 = 88$ (O) · $12 \times 9 = 108$ (D) · $10 \times 4 = 40$ (S) · $9 \times 9 = 81$ (E) · $6 \times 10 = 60$ (N)

Clue 3 (Word problems): "SLIPPERY MUD"

Coach Miller found 24 helmets yesterday and 11 more today. How many helmets in all? = 35 (S) · Coach Miller found 34 clipboards yesterday and 4 more today. How many clipboards in all? = 38 (L) · Coach Miller lined up 10 rows of 5 footballs. How many footballs in all? = 50 (E) · Coach Miller lined up 3 rows of 10 pylons. How many pylons in all? = 30 (R) · Coach Miller found 7 clipboards yesterday and 51 more today. How many clipboards in all? = 58 (P) · Coach Miller found 24 footballs yesterday and 15 more today. How many footballs in all? = 39 (Y) · There were 75 water bottles. 30 were used up. How many water bottles are left? = 45 (I)

Clue 4 (Place value): "BROWN HAIR WAS LEFT AT THE SCENE OF CRIME"

What is the value of the 1 in 21,345? = 1000 (B) · What is the value of the 6 in 675? = 600 (W) · What is the value of the 4 in 9,437? = 400 (N) · What is the value of the 8 in 8,902? = 8000 (F) · What is the value of the 3 in 43,276? = 3000 (R) · What is the value of the 2 in 234? = 200 (M) · What is the value of the 1 in 9,197? = 100 (T) · What is the value of the 2 in 4,728? = 20 (C) · What is the value of the 6 in 7,463? = 60 (E) · What is the value of the 9 in 937? = 900 (S) · What is the value of the 9 in 9,120? = 9000 (A) · What is the value of the 1 in 4,717? = 10 (H) · What is the value of the 5 in 159? = 50 (I) · What is the value of the 6 in 46,123? = 6000 (L) · What is the value of the 2 in 2,868? = 2000 (O)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Aaron Donald

$44 \div 4 = 11$ · $24 \div 4 = 6$ · $80 \div 10 = 8$ · $108 \div 9 = 12$ · $60 \div 12 = 5$ · $12 \div 12 = 1$ · $14 \div 7 = 2$ · $36 \div 12 = 3$ · $7 \div 1 = 7$ · $63 \div 7 = 9$ · $60 \div 6 = 10$