



The Missing Championship Ring

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

Detective: _____ Date: _____

Just before kickoff at Megadome Stadium, the shiny golden championship ring went missing from the head coach locker room! Someone snuck past security during pregame warmups. Use your math skills and clues to track down the thief 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 helmet bandit is _____

Possible suspects

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

NAME	SIGNATURE PLAY	LUCKY GEAR	THROWING HAND	HELMET STRIPE	DEFENSE COUNTER
Derrick Henry	Jet Sweep	Lucky Coin	Right Handed	Red Stripe	Yellow Flag
TJ Watt	Field Goal Kick	Gatorade Bucket	Right Handed	Gold Stripe	Loud Whistle
Saquon Barkley	Screen Pass	Gold Whistle	Left Handed	Blue Stripe	Loud Whistle
George Kittle	Field Goal Kick	Foam Finger	Right Handed	Gold Stripe	Blitz Play
Puka Nacua	QB Sneak	Silver Towel	Right Handed	Blue Stripe	Loud Whistle
Tyreek Hill	Hail Mary Pass	Gatorade Bucket	Left Handed	Red Stripe	Blitz Play
Jordan Love	Screen Pass	Gatorade Bucket	Left Handed	Blue Stripe	Loud Whistle
Dak Prescott	Screen Pass	Foam Finger	Right Handed	Blue Stripe	Blitz Play
Stefon Diggs	QB Sneak	Foam Finger	Right Handed	Gold Stripe	Blitz Play
Micah Parsons	QB Sneak	Foam Finger	Right Handed	Red Stripe	Loud Whistle
CJ Stroud	Field Goal Kick	Lucky Coin	Left Handed	Blue Stripe	Loud Whistle
Josh Allen	Jet Sweep	Gatorade Bucket	Left Handed	Red Stripe	Loud Whistle
Nick Bosa	Screen Pass	Foam Finger	Right Handed	Red Stripe	Blitz Play
Joe Burrow	Screen Pass	Lucky Coin	Right Handed	Gold Stripe	Yellow Flag
Justin Jefferson	Screen Pass	Silver Towel	Left Handed	Blue Stripe	Loud Whistle
Davante Adams	QB Sneak	Silver Towel	Left Handed	Red Stripe	Loud Whistle
Travis Kelce	QB Sneak	Gold Whistle	Right Handed	Red Stripe	Blitz Play
Jalen Hurts	QB Sneak	Lucky Coin	Left Handed	Gold Stripe	Yellow Flag
Christian McCaffrey	Hail Mary Pass	Silver Towel	Left Handed	Blue Stripe	Loud Whistle
Aaron Rodgers	QB Sneak	Foam Finger	Left Handed	Blue Stripe	Blitz Play
Patrick Mahomes	Jet Sweep	Silver Towel	Right Handed	Blue Stripe	Blitz Play

CLUE 1

The giant stadium scoreboard rounded the crowd noise readings to display a secret clue code.

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

T														T				
80	500	700	60	900	700	30	5000	2000	400	30	900	90	9000	80	90	50	700	60
		T																
900	50	80	3000	30	7000	7000	2000	30	6000	20	3000	5000	2000	3000	50	9000	900	

Round 76 to the nearest ten $\rightarrow$ **T**

Round 89 to the nearest ten $\rightarrow$ **D**

Round 6,362 to the nearest thousand $\rightarrow$ **L**

Round 6,960 to the nearest thousand → **R**

Round 694 to the nearest hundred → **E**

Round 34 to the nearest ten $\rightarrow$ **A**

Round 9,271 to the nearest thousand $\rightarrow$

Round 418 to the nearest hundred → **B**

Round 17 to the nearest ten →

Round 52 to the nearest ten $\rightarrow$

Round 2,219 to the nearest thousand →

Round 63 to the nearest ten $\rightarrow$ **S**

Round 520 to the nearest hundred → **H**

Round 4,895 to the nearest thousand $\rightarrow$ **K**

Round 3,203 to the nearest thousand → **C**

Round 937 to the nearest hundred $\rightarrow$ **N**

Scratch space:

CLUE 2

Word problems

Coach needs your help solving math problems about football supplies in 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
22	60	44	45	20	52	55	60		

Coach found 4 water bottles yesterday and 18 more today. How many water bottles in all?

Answer: → **L**

Coach lined up 4 rows of 5 playbooks. How many playbooks in all?

Answer: → **H**

Coach found 12 water bottles yesterday and 40 more today. How many water bottles in all?

Answer: → **A**

Coach lined up 10 rows of 6 helmets. How many helmets in all?

Answer: → **E**

Coach lined up 4 rows of 11 footballs. How many footballs in all?

Answer: → **F**

Coach found 25 helmets yesterday and 30 more today. How many helmets in all?

Answer: → **N**

Coach lined up 5 rows of 9 playbooks. How many playbooks in all?

Answer: → **T**

Scratch space:

CLUE 3

Multiplication facts (1-12)

The equipment manager lined up sets of practice cones in equal groups on the sideline.

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

A																		
54	80	60	56	66	99	28	77	40	45	80	72	40	45	60	32	32	72	66

				A								
45	28	72	2	54	63	66	77	45	108	60	80	66

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

$9 \times 11 = \square \rightarrow \text{W}$

$4 \times 7 = \square \rightarrow \text{H}$

$5 \times 9 = \square \rightarrow \text{T}$

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

$12 \times 6 = \square \rightarrow \text{E}$

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

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

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

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

$1 \times 2 = \square \rightarrow \text{B}$

$8 \times 10 = \square \rightarrow \text{L}$

$11 \times 7 = \square \rightarrow \text{I}$

$11 \times 6 = \square \rightarrow \text{D}$

$12 \times 5 = \square \rightarrow \text{O}$

Scratch space:

CLUE 4 Place value

The head statistician broke down total game yardage into hundreds and tens to reveal a note.

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

A																
90	70	600	30	500	50	200	60	300	7000	500	10	500	600	700	500	200
	A				A											
700	90	60	3000	2000	90	50	80	20	200	10	500	200	30	60	4000	

What is the value of the 9 in 1,693? → **A**

What is the value of the 7 in 7,211? → **P**

What is the value of the 2 in 8,027? → **N**

What is the value of the 5 in 8,534? → **E**

What is the value of the 2 in 82,691? → **W**

What is the value of the 7 in 2,734? → **M**

What is the value of the 5 in 6,452? → **S**

What is the value of the 3 in 379? → **I**

What is the value of the 3 in 83,077? → **K**

What is the value of the 7 in 870? → **B**

What is the value of the 6 in 635? → **L**

What is the value of the 1 in 513? → **H**

What is the value of the 2 in 238? → **T**

What is the value of the 3 in 7,539? → **U**

What is the value of the 8 in 182? → **O**

What is the value of the 4 in 4,769? → **F**

What is the value of the 6 in 567? → **R**

Scratch space:

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

Referees divided practice footballs equally into gear bags before unlocking the final secret.

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:

$20 \div 2 = \boxed{}$

$22 \div 11 = \boxed{}$

$6 \div 6 = \boxed{}$

$81 \div 9 = \boxed{}$

$24 \div 6 = \boxed{}$

$72 \div 6 = \boxed{}$

$56 \div 8 = \boxed{}$

$16 \div 2 = \boxed{}$

$110 \div 10 = \boxed{}$

$21 \div 7 = \boxed{}$

$10 \div 2 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain threw a screen pass, then grabbed the gold whistle.
2. The villain ran a hail mary pass, then snatched the silver towel.
3. The villain executed a jet sweep, then grabbed the gold whistle.
4. The villain kicked a field goal, then stole the foam finger.
5. The villain tried a qb sneak, then tipped the gatorade bucket.
6. The villain threw a screen pass, then tipped the gatorade bucket.
7. The villain threw a screen pass, then swiped the lucky coin.
8. The villain kicked a field goal, then snatched the silver towel.
9. The villain kicked a field goal, then swiped the lucky coin.
10. The villain threw a screen pass, then snatched the silver towel.
11. The villain executed a jet sweep, then snatched the silver towel.
12. The villain ran a hail mary pass, then grabbed the gold whistle.

Answer Key

The Missing Championship Ring

Culprit: Jordan Love

Screen Pass · Gatorade Bucket · Left Handed · Blue Stripe · Loud Whistle

Trail: Start 21 → Clue 1 17 → Clue 2 8 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE SNEAKY BANDIT DOES NOT CARRY A LUCKY COIN"

Round 76 to the nearest ten = 80 (T) · Round 89 to the nearest ten = 90 (D) · Round 6,362 to the nearest thousand = 6000 (L) · Round 6,960 to the nearest thousand = 7000 (R) · Round 694 to the nearest hundred = 700 (E) · Round 34 to the nearest ten = 30 (A) · Round 9,271 to the nearest thousand = 9000 (I) · Round 418 to the nearest hundred = 400 (B) · Round 17 to the nearest ten = 20 (U) · Round 52 to the nearest ten = 50 (O) · Round 2,219 to the nearest thousand = 2000 (Y) · Round 63 to the nearest ten = 60 (S) · Round 520 to the nearest hundred = 500 (H) · Round 4,895 to the nearest thousand = 5000 (K) · Round 3,203 to the nearest thousand = 3000 (C) · Round 937 to the nearest hundred = 900 (N)

Clue 2 (Word problems): "LEFT HANDED"

Coach found 4 water bottles yesterday and 18 more today. How many water bottles in all? = 22 (L) · Coach lined up 4 rows of 5 playbooks. How many playbooks in all? = 20 (H) · Coach found 12 water bottles yesterday and 40 more today. How many water bottles in all? = 52 (A) · Coach lined up 10 rows of 6 helmets. How many helmets in all? = 60 (E) · Coach lined up 4 rows of 11 footballs. How many footballs in all? = 44 (F) · Coach found 25 helmets yesterday and 30 more today. How many helmets in all? = 55 (N) · Coach lined up 5 rows of 9 playbooks. How many playbooks in all? = 45 (T)

Clue 3 (Multiplication facts (1-12)): "A LOUD WHISTLE STOPPED THE BANDIT COLD"

$9 \times 6 = 54$ (A) · $9 \times 11 = 99$ (W) · $4 \times 7 = 28$ (H) · $5 \times 9 = 45$ (T) · $9 \times 7 = 63$ (N) · $12 \times 6 = 72$ (E) · $8 \times 7 = 56$ (U) · $12 \times 9 = 108$ (C) · $10 \times 4 = 40$ (S) · $8 \times 4 = 32$ (P) · $1 \times 2 = 2$ (B) · $8 \times 10 = 80$ (L) · $11 \times 7 = 77$ (I) · $11 \times 6 = 66$ (D) · $12 \times 5 = 60$ (O)

Clue 4 (Place value): "A BLUE STRIPE HELMET MARK WAS ON THE TURF"

What is the value of the 9 in 1,693? = 90 (A) · What is the value of the 7 in 7,211? = 7000 (P) · What is the value of the 2 in 8,027? = 20 (N) · What is the value of the 5 in 8,534? = 500 (E) · What is the value of the 2 in 82,691? = 2000 (W) · What is the value of the 7 in 2,734? = 700 (M) · What is the value of the 5 in 6,452? = 50 (S) · What is the value of the 3 in 379? = 300 (I) · What is the value of the 3 in 83,077? = 3000 (K) · What is the value of the 7 in 870? = 70 (B) · What is the value of the 6 in 635? = 600 (L) · What is the value of the 1 in 513? = 10 (H) · What is the value of the 2 in 238? = 200 (T) · What is the value of the 3 in 7,539? = 30 (U) · What is the value of the 8 in 182? = 80 (O) · What is the value of the 4 in 4,769? = 4000 (F) · What is the value of the 6 in 567? = 60 (R)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → Jordan Love

$20 \div 2 = 10$ · $22 \div 11 = 2$ · $6 \div 6 = 1$ · $81 \div 9 = 9$ · $24 \div 6 = 4$ · $72 \div 6 = 12$ · $56 \div 8 = 7$ · $16 \div 2 = 8$ · $110 \div 10 = 11$ · $21 \div 7 = 3$ · $10 \div 2 = 5$