



The Case of the Missing Gridiron Playbook

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

Detective: _____ Date: _____

Someone snuck into the locker room at Soldier Field and grabbed the championship playbook right off the strategy board. The coach needs a top detective to solve the math clues and figure out which player did it.

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	GRIDIRON GEAR	WRIST STYLE	HELMET COLOR	GAME FLAW
Jaylon Johnson	Sonic Pass	Grip Cleats	Bare Wrists	Navy Helmet	Bright Spotlight
Braxton Jones	Sonic Pass	Bear Gloves	Taped Wrists	White Helmet	Slippery Mud
Velus Jones	Sonic Pass	Padded Armor	Bare Wrists	Navy Helmet	Slippery Mud
DAndre Swift	Cannon Kick	Cleat Boosters	Bare Wrists	Navy Helmet	Bright Spotlight
Tory Taylor	Power Hurdle	Cleat Boosters	Bare Wrists	Navy Helmet	Bright Spotlight
Andrew Billings	Cannon Kick	Cleat Boosters	Taped Wrists	Orange Helmet	Loud Whistle
TJ Edwards	Cannon Kick	Cleat Boosters	Taped Wrists	Orange Helmet	Bright Spotlight
Rome Odunze	Cannon Kick	Visor Shield	Taped Wrists	Navy Helmet	Bright Spotlight
DJ Moore	Mega Tackle	Visor Shield	Bare Wrists	Navy Helmet	Slippery Mud
Montez Sweat	Power Hurdle	Bear Gloves	Bare Wrists	Navy Helmet	Loud Whistle
Keenan Allen	Turbo Sprint	Padded Armor	Bare Wrists	Orange Helmet	Loud Whistle
Tremaine Edmunds	Power Hurdle	Bear Gloves	Bare Wrists	Navy Helmet	Bright Spotlight
Kevin Byard	Mega Tackle	Padded Armor	Bare Wrists	Orange Helmet	Slippery Mud
Caleb Williams	Power Hurdle	Visor Shield	Bare Wrists	Orange Helmet	Slippery Mud
Nate Davis	Cannon Kick	Grip Cleats	Bare Wrists	Navy Helmet	Bright Spotlight
DeMarcus Walker	Turbo Sprint	Grip Cleats	Bare Wrists	White Helmet	Bright Spotlight
Darnell Wright	Turbo Sprint	Grip Cleats	Taped Wrists	White Helmet	Bright Spotlight
Jaquan Brisker	Sonic Pass	Bear Gloves	Bare Wrists	Navy Helmet	Bright Spotlight
Roschon Johnson	Cannon Kick	Bear Gloves	Taped Wrists	Navy Helmet	Slippery Mud
Tyrique Stevenson	Cannon Kick	Bear Gloves	Taped Wrists	Navy Helmet	Loud Whistle
Kyler Gordon	Power Hurdle	Visor Shield	Bare Wrists	White Helmet	Slippery Mud

CLUE 1 Rounding

The stadium scoreboard only displays rounded yardage during testing. Round the distance to find your first clue.

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

T			T																
3000	600	6000	3000	600	200	6000	5000	8000	300	6000	40	70	300	3000	90	40	6000		
				T						T									
2000	60	6000	700	3000	900	300	300	40	3000	6000	400	40							

Round 2,629 to the nearest thousand → **T**

Round 867 to the nearest hundred → **B**

Round 93 to the nearest ten → **U**

Round 59 to the nearest ten → **L**

Round 334 to the nearest hundred → **O**

Round 4,667 to the nearest thousand → **F**

Round 70 to the nearest ten → **N**

Round 6,091 to the nearest thousand → **E**

Round 720 to the nearest hundred → **A**

Round 2,198 to the nearest thousand → **C**

Round 382 to the nearest hundred → **R**

Round 181 to the nearest hundred → **I**

Round 8,129 to the nearest thousand → **D**

Round 641 to the nearest hundred → **H**

Round 40 to the nearest ten → **S**

Scratch space:

CLUE 2 Addition

The equipment manager adds up all the practice footballs on the field. Add the totals together to unlock this piece of evidence.

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

T																	
484	603	497	944	252	944	225	497	811	484	563	865	944	944	497	497	457	

		T													
563	764	484	603	980	865	961	497	563	961	764	944	484	944		

165 + 319 = → T	273 + 184 = → N	297 + 514 = → C
581 + 380 = → R	322 + 241 = → W	410 + 354 = → I
125 + 127 = → U	336 + 529 = → A	297 + 683 = → B
133 + 92 = → P	417 + 527 = → S	377 + 226 = → H
261 + 236 = → E		

Scratch space:

CLUE 3

Subtraction

The coach calculates the points scored minus points allowed. Subtract the total to reveal another suspect trait.

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

A															
319	401	217	520	552	160	627	411	626	589	627	809	520	552	160	627

401	809	520	398	246	808	246	627	160	808	627	160	520	808	735

$415 - 96 = \square \rightarrow \boxed{\mathbf{A}}$

$602 - 191 = \square \rightarrow \boxed{\mathbf{S}}$

$361 - 201 = \square \rightarrow \boxed{\mathbf{H}}$

$657 - 30 = \square \rightarrow \boxed{\mathbf{T}}$

$771 - 36 = \square \rightarrow \boxed{\mathbf{F}}$

$376 - 159 = \square \rightarrow \boxed{\mathbf{R}}$

$1121 - 313 = \square \rightarrow \boxed{\mathbf{E}}$

$525 - 124 = \square \rightarrow \boxed{\mathbf{B}}$

$865 - 239 = \square \rightarrow \boxed{\mathbf{P}}$

$370 - 124 = \square \rightarrow \boxed{\mathbf{D}}$

$574 - 54 = \square \rightarrow \boxed{\mathbf{I}}$

$479 - 81 = \square \rightarrow \boxed{\mathbf{N}}$

$779 - 227 = \square \rightarrow \boxed{\mathbf{G}}$

$622 - 33 = \square \rightarrow \boxed{\mathbf{O}}$

$885 - 76 = \square \rightarrow \boxed{\mathbf{L}}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

The marching band sets up in equal rows across the field. Multiply the rows to discover the next clue.

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

N												N					
10	20	12	60	7	14	9	30	14	33	110	20	66	10	33	121	20	63

					N				
9	14	96	33	108	10	33	21	49	96

$2 \times 5 = \square \rightarrow \boxed{\text{N}}$

$3 \times 7 = \square \rightarrow \boxed{\text{U}}$

$11 \times 3 = \square \rightarrow \boxed{\text{T}}$

$6 \times 11 = \square \rightarrow \boxed{\text{I}}$

$12 \times 9 = \square \rightarrow \boxed{\text{O}}$

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

$11 \times 10 = \square \rightarrow \boxed{\text{P}}$

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

$1 \times 9 = \square \rightarrow \boxed{\text{L}}$

$10 \times 6 = \square \rightarrow \boxed{\text{Y}}$

$7 \times 2 = \square \rightarrow \boxed{\text{E}}$

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

$4 \times 5 = \square \rightarrow \boxed{\text{A}}$

$7 \times 1 = \square \rightarrow \boxed{\text{H}}$

$6 \times 2 = \square \rightarrow \boxed{\text{V}}$

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

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

Scratch space:

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

The team splits juice boxes evenly among defense groups. Divide the drink boxes 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:

$90 \div 9 = \boxed{}$

$60 \div 5 = \boxed{}$

$6 \div 3 = \boxed{}$

$9 \div 9 = \boxed{}$

$32 \div 8 = \boxed{}$

$88 \div 8 = \boxed{}$

$18 \div 2 = \boxed{}$

$33 \div 11 = \boxed{}$

$66 \div 11 = \boxed{}$

$42 \div 6 = \boxed{}$

$72 \div 9 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain used a turbo sprint, then fired cleat boosters.
2. The villain unleashed a sonic pass, then laced up grip cleats.
3. The villain cleared with a power hurdle, then fired cleat boosters.
4. The villain launched a cannon kick, then strapped on bear gloves.
5. The villain cleared with a power hurdle, then strapped on bear gloves.
6. The villain unleashed a sonic pass, then buckled padded armor.
7. The villain delivered a mega tackle, then laced up grip cleats.
8. The villain launched a cannon kick, then buckled padded armor.
9. The villain unleashed a sonic pass, then adjusted a visor shield.
10. The villain launched a cannon kick, then laced up grip cleats.
11. The villain used a turbo sprint, then strapped on bear gloves.
12. The villain unleashed a sonic pass, then strapped on bear gloves.

Answer Key

The Case of the Missing Gridiron Playbook

Culprit: Tremaine Edmunds

Power Hurdle · Bear Gloves · Bare Wrists · Navy Helmet · Bright Spotlight

Trail: Start 21 → Clue 1 17 → Clue 2 12 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE THIEF DOES NOT USE CLEAT BOOSTERS"

Round 2,629 to the nearest thousand = 3000 (T) · Round 867 to the nearest hundred = 900 (B) · Round 93 to the nearest ten = 90 (U) · Round 59 to the nearest ten = 60 (L) · Round 334 to the nearest hundred = 300 (O) · Round 4,667 to the nearest thousand = 5000 (F) · Round 70 to the nearest ten = 70 (N) · Round 6,091 to the nearest thousand = 6000 (E) · Round 720 to the nearest hundred = 700 (A) · Round 2,198 to the nearest thousand = 2000 (C) · Round 382 to the nearest hundred = 400 (R) · Round 181 to the nearest hundred = 200 (I) · Round 8,129 to the nearest thousand = 8000 (D) · Round 641 to the nearest hundred = 600 (H) · Round 40 to the nearest ten = 40 (S)

Clue 2 (Addition): "THE SUSPECT WAS SEEN WITH BARE WRISTS"

$165 + 319 = 484$ (T) · $273 + 184 = 457$ (N) · $297 + 514 = 811$ (C) · $581 + 380 = 961$ (R) · $322 + 241 = 563$ (W) · $410 + 354 = 764$ (I) · $125 + 127 = 252$ (U) · $336 + 529 = 865$ (A) · $297 + 683 = 980$ (B) · $133 + 92 = 225$ (P) · $417 + 527 = 944$ (S) · $377 + 226 = 603$ (H) · $261 + 236 = 497$ (E)

Clue 3 (Subtraction): "A BRIGHT SPOTLIGHT BLINDED THE THIEF"

$415 - 96 = 319$ (A) · $602 - 191 = 411$ (S) · $361 - 201 = 160$ (H) · $657 - 30 = 627$ (T) · $771 - 36 = 735$ (F) · $376 - 159 = 217$ (R) · $1121 - 313 = 808$ (E) · $525 - 124 = 401$ (B) · $865 - 239 = 626$ (P) · $370 - 124 = 246$ (D) · $574 - 54 = 520$ (I) · $479 - 81 = 398$ (N) · $779 - 227 = 552$ (G) · $622 - 33 = 589$ (O) · $885 - 76 = 809$ (L)

Clue 4 (Multiplication facts (1-12)): "NAVY HELMET PAINT WAS LEFT ON TURF"

$2 \times 5 = 10$ (N) · $3 \times 7 = 21$ (U) · $11 \times 3 = 33$ (T) · $6 \times 11 = 66$ (I) · $12 \times 9 = 108$ (O) · $11 \times 11 = 121$ (W) · $11 \times 10 = 110$ (P) · $7 \times 7 = 49$ (R) · $1 \times 9 = 9$ (L) · $10 \times 6 = 60$ (Y) · $7 \times 2 = 14$ (E) · $7 \times 9 = 63$ (S) · $4 \times 5 = 20$ (A) · $7 \times 1 = 7$ (H) · $6 \times 2 = 12$ (V) · $12 \times 8 = 96$ (F) · $6 \times 5 = 30$ (M)

Clue 5 (Division facts (1-12)): surviving statement is box 5 → Tremaine Edmunds

$90 \div 9 = 10$ · $60 \div 5 = 12$ · $6 \div 3 = 2$ · $9 \div 9 = 1$ · $32 \div 8 = 4$ · $88 \div 8 = 11$ · $18 \div 2 = 9$ · $33 \div 11 = 3$ · $66 \div 11 = 6$ · $42 \div 6 = 7$ · $72 \div 9 = 8$