



The Great Playbook Heist

Grade 5 math · Addition, Fractions of a number, Order of operations, Multiplication, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

The big championship game starts soon! But someone stole the coach's golden playbook. We need to find 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 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	SPECIAL SKILL	SECRET GEAR	THROWING HAND	HAIR COLOR	WEAKNESS
Patrick Mahomes	sonic dash	mist sprayer	left-handed thrower	silver hair	slippery grass
Jason Kelce	cannon arm	rocket cleats	right-handed thrower	bronze hair	muddy field
Jared Goff	laser focus	mist sprayer	right-handed thrower	gold hair	loud whistle
TJ Watt	sonic dash	sticky gloves	left-handed thrower	silver hair	muddy field
Josh Allen	sonic dash	rocket cleats	right-handed thrower	bronze hair	muddy field
Micah Parsons	shield block	rocket cleats	left-handed thrower	silver hair	slippery grass
Lamar Jackson	cannon arm	mist sprayer	right-handed thrower	bronze hair	muddy field
Travis Kelce	sonic dash	bounce pad	left-handed thrower	silver hair	loud whistle
Derrick Henry	sonic dash	bounce pad	left-handed thrower	bronze hair	muddy field
Deebo Samuel	cannon arm	rocket cleats	left-handed thrower	silver hair	muddy field
Dak Prescott	shield block	bounce pad	right-handed thrower	silver hair	loud whistle
Stefon Diggs	gravity jump	rocket cleats	right-handed thrower	bronze hair	muddy field
Tyreek Hill	sonic dash	mist sprayer	left-handed thrower	gold hair	muddy field
Aaron Rodgers	gravity jump	rocket cleats	left-handed thrower	bronze hair	muddy field
Jaylen Waddle	laser focus	mist sprayer	left-handed thrower	bronze hair	slippery grass
Mike Evans	shield block	bounce pad	right-handed thrower	bronze hair	muddy field
Kirk Cousins	laser focus	bounce pad	left-handed thrower	bronze hair	loud whistle
Christian McCaffrey	laser focus	rocket cleats	right-handed thrower	bronze hair	slippery grass
Justin Jefferson	shield block	rocket cleats	left-handed thrower	gold hair	slippery grass
Joe Burrow	sonic dash	rocket cleats	right-handed thrower	silver hair	muddy field
Aaron Donald	cannon arm	rocket cleats	right-handed thrower	gold hair	muddy field

CLUE 1 Addition

We need to count all the extra footballs in the equipment bin. Add them up to unlock the first clue!

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

T																T
9769	6864	8105	9853	7812	8773	8773	6063	7812	7355	2052	7734	8105	8503	7355	7734	9769

					T											
3100	8503	8105	6063	6054	7812	8503	9769	8503	8063	5318	6063	3667	8105	5318		

$3490 + 6279 = \square \rightarrow \mathbf{T}$

$4502 + 3561 = \square \rightarrow \mathbf{P}$

$4303 + 3052 = \square \rightarrow \mathbf{N}$

$2742 + 2576 = \square \rightarrow \mathbf{R}$

$1466 + 1634 = \square \rightarrow \mathbf{U}$

$2906 + 5867 = \square \rightarrow \mathbf{L}$

$1148 + 904 = \square \rightarrow \mathbf{D}$

$3802 + 4701 = \square \rightarrow \mathbf{S}$

$2976 + 3087 = \square \rightarrow \mathbf{A}$

$3392 + 2662 = \square \rightarrow \mathbf{M}$

$3042 + 4770 = \square \rightarrow \mathbf{I}$

$5923 + 3930 = \square \rightarrow \mathbf{V}$

$3646 + 4459 = \square \rightarrow \mathbf{E}$

$2540 + 4324 = \square \rightarrow \mathbf{H}$

$1237 + 2430 = \square \rightarrow \mathbf{Y}$

$4466 + 3268 = \square \rightarrow \mathbf{O}$

Scratch space:

CLUE 2
Fractions of a number

Only a fraction of the stadium lights are working. Calculate how many are lit to power up the next clue!

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

T															
18	4	7	27	37	31	31	33	37	15	31	7	33	27	7	8

				T													
17	37	21	4	18	4	33	15	25	7	25	8	16	9	25	21	7	8

$1/3 \text{ of } 54 = \square \rightarrow \boxed{\text{T}}$

$2/4 \text{ of } 14 = \square \rightarrow \boxed{\text{E}}$

$2/8 \text{ of } 148 = \square \rightarrow \boxed{\text{I}}$

$2/10 \text{ of } 105 = \square \rightarrow \boxed{\text{G}}$

$2/8 \text{ of } 124 = \square \rightarrow \boxed{\text{L}}$

$2/6 \text{ of } 27 = \square \rightarrow \boxed{\text{U}}$

$6/10 \text{ of } 45 = \square \rightarrow \boxed{\text{V}}$

$5/10 \text{ of } 66 = \square \rightarrow \boxed{\text{A}}$

$4/5 \text{ of } 20 = \square \rightarrow \boxed{\text{M}}$

$3/6 \text{ of } 50 = \square \rightarrow \boxed{\text{D}}$

$2/6 \text{ of } 12 = \square \rightarrow \boxed{\text{H}}$

$3/10 \text{ of } 50 = \square \rightarrow \boxed{\text{N}}$

$1/8 \text{ of } 64 = \square \rightarrow \boxed{\text{S}}$

$4/8 \text{ of } 34 = \square \rightarrow \boxed{\text{R}}$

Scratch space:

CLUE 3

Order of operations

The coach has a special sequence of drills to run. Follow the correct order of operations to solve this puzzle!

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

T																	
7	66	63	77	24	27	27	58	24	73	65	53	7	68	7	34	17	18

24	73	7	66	63	48	34	78	78	14	19	24	63	27	78

$4 \times 8 - 25 = \square \rightarrow \boxed{\text{T}}$

$10 + 2 \times 7 = \square \rightarrow \boxed{\text{I}}$

$2 + 5 \times 3 = \square \rightarrow \boxed{\text{C}}$

$41 + 3 \times 9 = \square \rightarrow \boxed{\text{S}}$

$60 + 3 \times 2 = \square \rightarrow \boxed{\text{H}}$

$41 + 4 \times 3 = \square \rightarrow \boxed{\text{O}}$

$53 + 3 \times 4 = \square \rightarrow \boxed{\text{G}}$

$31 + 4 \times 8 = \square \rightarrow \boxed{\text{E}}$

$4 + 2 \times 7 = \square \rightarrow \boxed{\text{K}}$

$1 + 6 \times 3 = \square \rightarrow \boxed{\text{F}}$

$9 \times 11 - 21 = \square \rightarrow \boxed{\text{D}}$

$35 + 7 \times 6 = \square \rightarrow \boxed{\text{V}}$

$37 + 9 \times 4 = \square \rightarrow \boxed{\text{N}}$

$8 \times 8 - 16 = \square \rightarrow \boxed{\text{M}}$

$10 \times 8 - 22 = \square \rightarrow \boxed{\text{A}}$

$7 + 3 \times 9 = \square \rightarrow \boxed{\text{U}}$

$8 \times 6 - 21 = \square \rightarrow \boxed{\text{L}}$

$4 \times 4 - 2 = \square \rightarrow \boxed{\text{Y}}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

The marching band is lined up in perfect rows on the field. Multiply the rows and columns to find the clue!

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

W																	
35	32	4	45	21	80	28	132	42	45	80	108	32	7	81	18	42	45 80

3	7	32	7	32	121	55 32 3

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

$2 \times 2 = \square \rightarrow \text{F}$

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

$9 \times 2 = \square \rightarrow \text{I}$

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

$11 \times 11 = \square \rightarrow \text{L}$

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

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

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

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

$12 \times 11 = \square \rightarrow \text{B}$

$3 \times 1 = \square \rightarrow \text{T}$

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

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

$11 \times 5 = \square \rightarrow \text{M}$

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

Scratch space:

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

We need to share the energy bars equally among the defensive line. Divide them up to get the final clue!

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:

$32 \div 8 = \boxed{}$

$6 \div 2 = \boxed{}$

$7 \div 7 = \boxed{}$

$6 \div 1 = \boxed{}$

$11 \div 1 = \boxed{}$

$96 \div 8 = \boxed{}$

$45 \div 9 = \boxed{}$

$72 \div 8 = \boxed{}$

$10 \div 1 = \boxed{}$

$64 \div 8 = \boxed{}$

$49 \div 7 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain scrambled the scoreboard numbers, then dashed past the team mascot.
2. The villain stole the golden playbook, then dashed past the team mascot.
3. The villain swiped the championship trophy, then fled on a speedy golf cart.
4. The villain hid the game footballs, then dashed past the team mascot.
5. The villain scrambled the scoreboard numbers, then fled on a speedy golf cart.
6. The villain stole the golden playbook, then zipped through the tall goalposts.
7. The villain hid the game footballs, then leaped over the stadium fence.
8. The villain stole the golden playbook, then leaped over the stadium fence.
9. The villain locked the team locker room, then zipped through the tall goalposts.
10. The villain scrambled the scoreboard numbers, then somersaulted into the endzone.
11. The villain scrambled the scoreboard numbers, then zipped through the tall goalposts.
12. The villain swiped the championship trophy, then zipped through the tall goalposts.

Answer Key

The Great Playbook Heist

Culprit: Jason Kelce

cannon arm · rocket cleats · right-handed thrower · bronze hair · muddy field

Trail: Start 21 → Clue 1 16 → Clue 2 8 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT USE A MIST SPRAYER"

$3490 + 6279 = 9769$ (T) · $4502 + 3561 = 8063$ (P) · $4303 + 3052 = 7355$ (N) · $2742 + 2576 = 5318$ (R) · $1466 + 1634 = 3100$ (U) · $2906 + 5867 = 8773$ (L) · $1148 + 904 = 2052$ (D) · $3802 + 4701 = 8503$ (S) · $2976 + 3087 = 6063$ (A) · $3392 + 2662 = 6054$ (M) · $3042 + 4770 = 7812$ (I) · $5923 + 3930 = 9853$ (V) · $3646 + 4459 = 8105$ (E) · $2540 + 4324 = 6864$ (H) · $1237 + 2430 = 3667$ (Y) · $4466 + 3268 = 7734$ (O)

Clue 2 (Fractions of a number): "THE VILLAIN LEAVES RIGHT HANDED SMUDGES"

$1/3$ of 54 = 18 (T) · $2/4$ of 14 = 7 (E) · $2/8$ of 148 = 37 (I) · $2/10$ of 105 = 21 (G) · $2/8$ of 124 = 31 (L) · $2/6$ of 27 = 9 (U) · $6/10$ of 45 = 27 (V) · $5/10$ of 66 = 33 (A) · $4/5$ of 20 = 16 (M) · $3/6$ of 50 = 25 (D) · $2/6$ of 12 = 4 (H) · $3/10$ of 50 = 15 (N) · $1/8$ of 64 = 8 (S) · $4/8$ of 34 = 17 (R)

Clue 3 (Order of operations): "THE VILLAIN GOT STUCK IN THE MUDDY FIELD"

$4 \times 8 - 25 = 7$ (T) · $10 + 2 \times 7 = 24$ (I) · $2 + 5 \times 3 = 17$ (C) · $41 + 3 \times 9 = 68$ (S) · $60 + 3 \times 2 = 66$ (H) · $41 + 4 \times 3 = 53$ (O) · $53 + 3 \times 4 = 65$ (G) · $31 + 4 \times 8 = 63$ (E) · $4 + 2 \times 7 = 18$ (K) · $1 + 6 \times 3 = 19$ (F) · $9 \times 11 - 21 = 78$ (D) · $35 + 7 \times 6 = 77$ (V) · $37 + 9 \times 4 = 73$ (N) · $8 \times 8 - 16 = 48$ (M) · $10 \times 8 - 22 = 58$ (A) · $7 + 3 \times 9 = 34$ (U) · $8 \times 6 - 21 = 27$ (L) · $4 \times 4 - 2 = 14$ (Y)

Clue 4 (Multiplication facts (1-12)): "WE FOUND BRONZE HAIR ON THE HELMET"

$7 \times 5 = 35$ (W) · $2 \times 2 = 4$ (F) · $8 \times 4 = 32$ (E) · $9 \times 2 = 18$ (I) · $7 \times 1 = 7$ (H) · $11 \times 11 = 121$ (L) · $4 \times 7 = 28$ (D) · $6 \times 7 = 42$ (R) · $5 \times 9 = 45$ (O) · $9 \times 9 = 81$ (A) · $12 \times 11 = 132$ (B) · $3 \times 1 = 3$ (T) · $8 \times 10 = 80$ (N) · $7 \times 3 = 21$ (U) · $11 \times 5 = 55$ (M) · $12 \times 9 = 108$ (Z)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → Jason Kelce

$32 \div 8 = 4$ · $6 \div 2 = 3$ · $7 \div 7 = 1$ · $6 \div 1 = 6$ · $11 \div 1 = 11$ · $96 \div 8 = 12$ · $45 \div 9 = 5$ · $72 \div 8 = 9$ · $10 \div 1 = 10$ · $64 \div 8 = 8$ · $49 \div 7 = 7$