The Championship Football Caper

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

Detective: _____ **Date:** _____

The golden championship football has vanished from the display case right before the big game! The stadium gates are locked, and one of the players on the field is the sneaky culprit. It is up to you to decode the clues on the playbook, solve the field math, and save the game!

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 stadium sneaker is _____

Possible suspects

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

NAME	SIGNATURE THROW	LUCKY GEAR	THROWING ARM	HELMET HAIR COLOR	DEFENSIVE DISTRACTION
Trevor Lawrence	Spiral Pass	Golden Cleats	Left Handed	Spiky Blonde	Slippery Mud
Saquon Barkley	Rocket Launch	Golden Cleats	Right Handed	Curly Brown	Slippery Mud
Deebo Samuel	Spiral Pass	Lucky Towel	Left Handed	Neon Green Dye	Loud Whistles
Stefon Diggs	Lob Pass	Super Grip Gloves	Right Handed	Neon Green Dye	Bright Stadium Lights
Lamar Jackson	Bullet Throw	Silver Whistle	Right Handed	Curly Brown	Bright Stadium Lights
Tyreek Hill	Spiral Pass	Golden Cleats	Left Handed	Spiky Blonde	Loud Whistles
Jared Goff	Bullet Throw	Neon Visor	Left Handed	Neon Green Dye	Slippery Mud
Derrick Henry	No Look Pass	Golden Cleats	Left Handed	Neon Green Dye	Bright Stadium Lights
Russell Wilson	Spiral Pass	Golden Cleats	Right Handed	Neon Green Dye	Loud Whistles
Travis Kelce	Spiral Pass	Lucky Towel	Right Handed	Curly Brown	Slippery Mud
Baker Mayfield	Bullet Throw	Silver Whistle	Right Handed	Spiky Blonde	Bright Stadium Lights
Aaron Rodgers	Rocket Launch	Neon Visor	Left Handed	Neon Green Dye	Loud Whistles
Christian McCaffrey	Bullet Throw	Golden Cleats	Left Handed	Curly Brown	Bright Stadium Lights
Justin Jefferson	Rocket Launch	Neon Visor	Right Handed	Curly Brown	Bright Stadium Lights
Dak Prescott	Spiral Pass	Golden Cleats	Right Handed	Curly Brown	Slippery Mud
Kirk Cousins	Bullet Throw	Super Grip Gloves	Left Handed	Spiky Blonde	Bright Stadium Lights
Patrick Mahomes	Bullet Throw	Super Grip Gloves	Right Handed	Curly Brown	Bright Stadium Lights
George Kittle	Rocket Launch	Silver Whistle	Left Handed	Neon Green Dye	Loud Whistles
Cooper Kupp	Spiral Pass	Lucky Towel	Right Handed	Curly Brown	Bright Stadium Lights
Jalen Hurts	Spiral Pass	Golden Cleats	Right Handed	Curly Brown	Bright Stadium Lights
Tua Tagovailoa	Lob Pass	Lucky Towel	Left Handed	Neon Green Dye	Bright Stadium Lights

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CLUE 1 Rounding

> The giant stadium scoreboard got hit by a stray pass. The digital yardage estimator is broken, so it 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		
600	700	7000	8000	300	400	400	6000	300	60	20	900	7000	50	60	900	600			

										T									
5000	7000	6000	200	6000	400	2000	40	800	30	600	900	5000	7000	400					

Round 580 to the nearest hundred ☐ → **T**

Round 685 to the nearest hundred ☐ → **H**

Round 2,062 to the nearest thousand ☐ → **U**

Round 443 to the nearest hundred ☐ → **L**

Round 8,481 to the nearest thousand ☐ → **V**

Round 6,116 to the nearest thousand ☐ → **A**

Round 40 to the nearest ten ☐ → **C**

Round 46 to the nearest ten ☐ → **S**

Round 763 to the nearest hundred ☐ → **K**

Round 7,085 to the nearest thousand ☐ → **E**

Round 180 to the nearest hundred ☐ → **R**

Round 5,023 to the nearest thousand ☐ → **W**

Round 57 to the nearest ten ☐ → **N**

Round 34 to the nearest ten ☐ → **Y**

Round 21 to the nearest ten ☐ → **D**

Round 305 to the nearest hundred ☐ → **I**

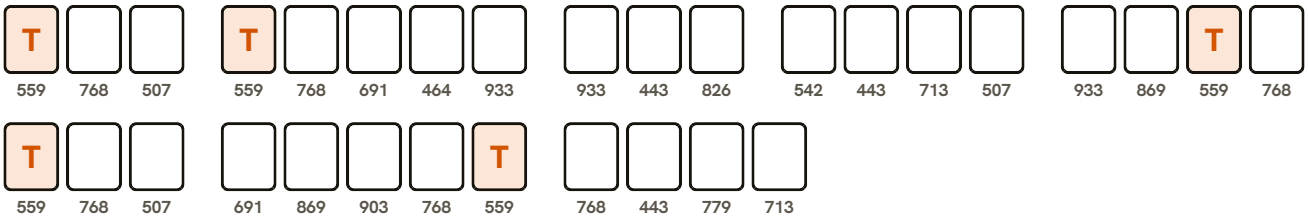
Round 936 to the nearest hundred ☐ → **O**

Scratch space:

CLUE 2 Addition

> The team managers are counting up the total number of practice footballs. They need to add the footballs in the bin to the footballs on the field.

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



247 + 312 = ☐ → T

319 + 507 = ☐ → S

230 + 312 = ☐ → M

474 + 217 = ☐ → R

142 + 301 = ☐ → A

352 + 427 = ☐ → N

355 + 514 = ☐ → I

220 + 287 = ☐ → E

466 + 302 = ☐ → H

146 + 318 = ☐ → O

439 + 494 = ☐ → W

365 + 538 = ☐ → G

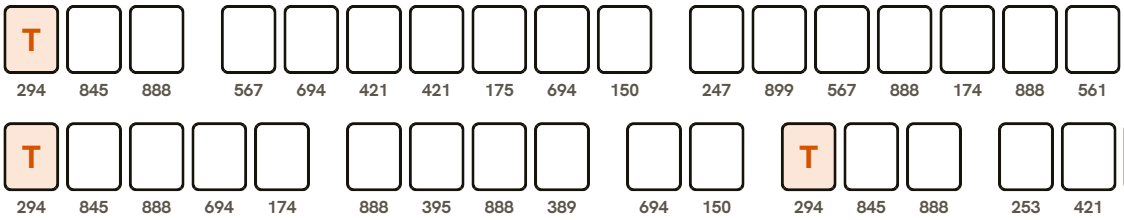
270 + 443 = ☐ → D

Scratch space:

CLUE 3 Subtraction

> Coach noticed some footballs are missing from the equipment rack. We need to subtract the current count from yesterday's total to see how many disappeared.

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



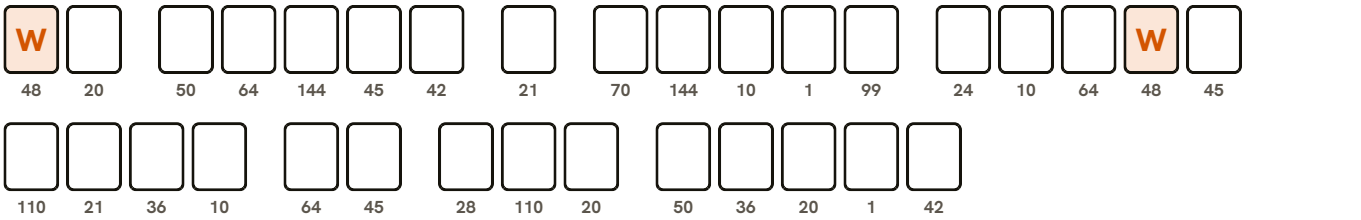
487 - 193 = ☐ → T	551 - 156 = ☐ → Y	935 - 368 = ☐ → V
772 - 383 = ☐ → S	294 - 119 = ☐ → A	331 - 84 = ☐ → C
931 - 237 = ☐ → I	435 - 182 = ☐ → G	1112 - 213 = ☐ → O
518 - 344 = ☐ → R	444 - 23 = ☐ → L	981 - 136 = ☐ → H
899 - 11 = ☐ → E	590 - 29 = ☐ → D	370 - 220 = ☐ → N

Scratch space:

CLUE 4 Multiplication facts (1-12)

> The team is setting up drills. There are several equal rows of training cones, and we must multiply the rows by the cones in each row to find the total.

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



8 × 6 = ☐ → W

8 × 8 = ☐ → O

4 × 7 = ☐ → T

1 × 10 = ☐ → R

7 × 10 = ☐ → C

1 × 1 = ☐ → L

9 × 5 = ☐ → N

12 × 12 = ☐ → U

5 × 4 = ☐ → E

6 × 4 = ☐ → B

4 × 9 = ☐ → I

10 × 5 = ☐ → F

7 × 6 = ☐ → D

10 × 11 = ☐ → H

9 × 11 = ☐ → Y

7 × 3 = ☐ → A

Scratch space:

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

> After practice, the coaches want to share the energy bars equally among the team. We need to divide the total number of bars by the number of players.

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 ÷ 10 = ☐	108 ÷ 9 = ☐	30 ÷ 3 = ☐	21 ÷ 3 = ☐	16 ÷ 4 = ☐
12 ÷ 12 = ☐	22 ÷ 11 = ☐	50 ÷ 10 = ☐	77 ÷ 7 = ☐	66 ÷ 11 = ☐
40 ÷ 5 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain launches a high rocket pass, then wipes their brow with a lucky towel.
2. The villain lobs a floating pass over defenders, then catches the trophy with super grip gloves.
3. The villain launches a high rocket pass, then flashes their neon visor in the dark.
4. The villain lobs a floating pass over defenders, then sprints away in shiny golden cleats.
5. The villain lobs a floating pass over defenders, then blows a shiny silver whistle.
6. The villain throws a perfect spiral pass, then flashes their neon visor in the dark.
7. The villain lobs a floating pass over defenders, then flashes their neon visor in the dark.
8. The villain flings a sneaky no look pass, then flashes their neon visor in the dark.
9. The villain throws a perfect spiral pass, then sprints away in shiny golden cleats.
10. The villain fires a super fast bullet pass, then blows a shiny silver whistle.
11. The villain fires a super fast bullet pass, then flashes their neon visor in the dark.
12. The villain fires a super fast bullet pass, then catches the trophy with super grip gloves.

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TEACHER / PARENT

Answer Key

The Championship Football Caper

Culprit: Justin Jefferson

Rocket Launch · Neon Visor · Right Handed · Curly Brown · Bright Stadium Lights

Trail: Start 21 → Clue 1 17 → Clue 2 9 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT WEAR A LUCKY TOWEL"

Round 580 to the nearest hundred = 600 (T) · Round 685 to the nearest hundred = 700 (H) · Round 2,062 to the nearest thousand = 2000 (U) · Round 443 to the nearest hundred = 400 (L) · Round 8,481 to the nearest thousand = 8000 (V) · Round 6,116 to the nearest thousand = 6000 (A) · Round 40 to the nearest ten = 40 (C) · Round 46 to the nearest ten = 50 (S) · Round 763 to the nearest hundred = 800 (K) · Round 7,085 to the nearest thousand = 7000 (E) · Round 180 to the nearest hundred = 200 (R) · Round 5,023 to the nearest thousand = 5000 (W) · Round 57 to the nearest ten = 60 (N) · Round 34 to the nearest ten = 30 (Y) · Round 21 to the nearest ten = 20 (D) · Round 305 to the nearest hundred = 300 (I) · Round 936 to the nearest hundred = 900 (O)

Clue 2 (Addition): "THE THROW WAS MADE WITH THE RIGHT HAND"

247 + 312 = 559 (T) · 319 + 507 = 826 (S) · 230 + 312 = 542 (M) · 474 + 217 = 691 (R) · 142 + 301 = 443 (A) · 352 + 427 = 779 (N) · 355 + 514 = 869 (I) · 220 + 287 = 507 (E) · 466 + 302 = 768 (H) · 146 + 318 = 464 (O) · 439 + 494 = 933 (W) · 365 + 538 = 903 (G) · 270 + 443 = 713 (D)

Clue 3 (Subtraction): "THE VILLAIN COVERED THEIR EYES IN THE GLARE"

487 - 193 = 294 (T) · 551 - 156 = 395 (Y) · 935 - 368 = 567 (V) · 772 - 383 = 389 (S) · 294 - 119 = 175 (A) · 331 - 84 = 247 (C) · 931 - 237 = 694 (I) · 435 - 182 = 253 (G) · 1112 - 213 = 899 (O) · 518 - 344 = 174 (R) · 444 - 23 = 421 (L) · 981 - 136 = 845 (H) · 899 - 11 = 888 (E) · 590 - 29 = 561 (D) · 370 - 220 = 150 (N)

Clue 4 (Multiplication facts (1-12)): "WE FOUND A CURLY BROWN HAIR ON THE FIELD"

8 × 6 = 48 (W) · 8 × 8 = 64 (O) · 4 × 7 = 28 (T) · 1 × 10 = 10 (R) · 7 × 10 = 70 (C) · 1 × 1 = 1 (L) · 9 × 5 = 45 (N) · 12 × 12 = 144 (U) · 5 × 4 = 20 (E) · 6 × 4 = 24 (B) · 4 × 9 = 36 (I) · 10 × 5 = 50 (F) · 7 × 6 = 42 (D) · 10 × 11 = 110 (H) · 9 × 11 = 99 (Y) · 7 × 3 = 21 (A)

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

90 ÷ 10 = 9 · 108 ÷ 9 = 12 · 30 ÷ 3 = 10 · 21 ÷ 3 = 7 · 16 ÷ 4 = 4 · 12 ÷ 12 = 1 · 22 ÷ 11 = 2 · 50 ÷ 10 = 5 · 77 ÷ 7 = 11 · 66 ÷ 11 = 6 · 40 ÷ 5 = 8