



The Cal Blue Camp Caper

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

Detective: _____ Date: _____

Oh no! The golden practice footballs have vanished from the blue equipment bins at the Cal Blue youth camp. Our team needs those footballs before the big championship scrimmage under the stadium lights. Oski the mascot found a trail of scuffed turf, but we need a clever detective to crack the clues and find the Football Fumbler.

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 Football Fumbler is _____

Possible suspects

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

NAME	MAIN FOOTBALL SKILL	EXTRA CAMP GEAR	KICKING STANCE	HAIR STYLE UNDER HELMET	CAMP WEAKNESS
Aaron Rodgers	Rocket Throw	Blue Cleats	Left-Footed Kicker	Shaved Head	Bright Sunshine
Jack Plummer	Sticky Catch	Blue Cleats	Left-Footed Kicker	Shaved Head	Squeaky Toys
Cameron Jordan	Mega Tackle	Blue Cleats	Left-Footed Kicker	Shaved Head	Mud Puddles
DeSean Jackson	Rocket Throw	Gold Visor	Left-Footed Kicker	Spiky Blue Hair	Bright Sunshine
Oski Bear	Sticky Catch	Chrome Helmet	Left-Footed Kicker	Shaved Head	Bright Sunshine
Tony Gonzalez	Rocket Throw	Grip Gloves	Right-Footed Kicker	Curly Gold Hair	Mud Puddles
Bryan Anger	Rocket Throw	Gold Visor	Left-Footed Kicker	Curly Gold Hair	Mud Puddles
Craig Morton	Sticky Catch	Blue Cleats	Right-Footed Kicker	Shaved Head	Bright Sunshine
Chuck Muncie	Sticky Catch	Gold Visor	Right-Footed Kicker	Curly Gold Hair	Squeaky Toys
Keenan Allen	Sticky Catch	Loud Whistle	Left-Footed Kicker	Spiky Blue Hair	Squeaky Toys
Patrick Laird	Rocket Throw	Chrome Helmet	Right-Footed Kicker	Curly Gold Hair	Mud Puddles
Jaydn Ott	Sonic Kick	Gold Visor	Right-Footed Kicker	Shaved Head	Bright Sunshine
Marvin Jones	Turbo Sprint	Grip Gloves	Left-Footed Kicker	Shaved Head	Bright Sunshine
Joe Kapp	Mega Tackle	Gold Visor	Left-Footed Kicker	Spiky Blue Hair	Mud Puddles
Fernando Mendoza	Sonic Kick	Grip Gloves	Right-Footed Kicker	Curly Gold Hair	Squeaky Toys
Nikko Remigio	Sonic Kick	Grip Gloves	Left-Footed Kicker	Shaved Head	Bright Sunshine
Rivera	Sonic Kick	Loud Whistle	Left-Footed Kicker	Shaved Head	Bright Sunshine
Marshawn Lynch	Mega Tackle	Chrome Helmet	Left-Footed Kicker	Spiky Blue Hair	Squeaky Toys
Jared Goff	Mega Tackle	Blue Cleats	Right-Footed Kicker	Spiky Blue Hair	Squeaky Toys
Coach Wilcox	Sticky Catch	Blue Cleats	Left-Footed Kicker	Spiky Blue Hair	Mud Puddles
Ken Harvey	Sonic Kick	Grip Gloves	Right-Footed Kicker	Spiky Blue Hair	Bright Sunshine

CLUE 1 Subtraction

We counted forty footballs in the bin, but now only sixteen are left. By subtracting the missing balls, we unlock a code on the equipment locker.

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

<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
889	522	577	889	522	755	577	214	392	477	577	594	721	477	889	511	577	191	616
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
191	159	522	616	477	183	577	522	577	565	183	577	889						

$962 - 73 = \square \rightarrow$ <input type="text" value="T"/>	$494 - 17 = \square \rightarrow$ <input type="text" value="O"/>	$618 - 2 = \square \rightarrow$ <input type="text" value="R"/>
$908 - 314 = \square \rightarrow$ <input type="text" value="S"/>	$777 - 200 = \square \rightarrow$ <input type="text" value="E"/>	$378 - 164 = \square \rightarrow$ <input type="text" value="F"/>
$580 - 389 = \square \rightarrow$ <input type="text" value="A"/>	$595 - 203 = \square \rightarrow$ <input type="text" value="D"/>	$367 - 208 = \square \rightarrow$ <input type="text" value="C"/>
$953 - 232 = \square \rightarrow$ <input type="text" value="N"/>	$248 - 65 = \square \rightarrow$ <input type="text" value="M"/>	$703 - 192 = \square \rightarrow$ <input type="text" value="W"/>
$715 - 150 = \square \rightarrow$ <input type="text" value="L"/>	$601 - 79 = \square \rightarrow$ <input type="text" value="H"/>	$1099 - 344 = \square \rightarrow$ <input type="text" value="I"/>

Scratch space:

CLUE 2

Multiplication facts (1-12)

The coach shows us five rows of blue cones, with six cones in each row. Multiplying these gives us the total cones and opens the gym door.

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

<input type="text" value="L"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="L"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
96	56	14	9	35	50	44	1	50	56	7	96	56	14	9	81		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
48	56	56	64	14	25	25	9	64	7	44	55	9	44	55	90	121	48

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

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

$11 \times 4 = \square \rightarrow \text{I}$

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

$10 \times 9 = \square \rightarrow \text{M}$

$4 \times 12 = \square \rightarrow \text{D}$

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

$1 \times 1 = \square \rightarrow \text{C}$

$7 \times 2 = \square \rightarrow \text{F}$

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

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

$5 \times 10 = \square \rightarrow \text{K}$

$9 \times 1 = \square \rightarrow \text{T}$

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

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

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

Scratch space:

CLUE 3 Skip counting

We follow the yellow footprints on the practice field by skip-counting by fives. The track leads us right to a secret notebook under the bench.

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

B															B					
6	80	10	33	35	100	18	30	45	18	35	10	45	25	6	14	10	45	130	18	
100	35	25	18	45	25	50	8	60	100	35	10	25	27							

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

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

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

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 → **G**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 → **R**

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 → **H**

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, ____, 35, 40 → **U**

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, ____, 30, 35 → **E**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, ____, 16, 18 → **L**

Scratch space:

CLUE 4 Rounding

The weight scale in the locker room is dusty and only rounds to the nearest ten pounds. The heavy gear bag registers on this screen to reveal our next clue.

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

A			A						A			A			
300	700	900	300	600	8000	90	900	8000	300	90	900	300	700	4000	2000
	A														
900	300	20	6000	500	2000	6000	800	900	8000	4000	8000	800			

Round 329 to the nearest hundred → **A**

Round 1,597 to the nearest thousand → **O**

Round 777 to the nearest hundred → **T**

Round 89 to the nearest ten → **D**

Round 7,555 to the nearest thousand → **E**

Round 454 to the nearest hundred → **F**

Round 5,506 to the nearest thousand → **R**

Round 552 to the nearest hundred → **V**

Round 4,344 to the nearest thousand → **N**

Round 23 to the nearest ten → **I**

Round 731 to the nearest hundred → **S**

Round 876 to the nearest hundred → **H**

Scratch space:

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

We have twenty-four blue water bottles to divide equally among the four team captains. Sharing them evenly gives us the final secret code.

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:

$36 \div 12 = \square$

$21 \div 3 = \square$

$27 \div 3 = \square$

$18 \div 9 = \square$

$33 \div 3 = \square$

$20 \div 5 = \square$

$50 \div 10 = \square$

$108 \div 9 = \square$

$12 \div 2 = \square$

$32 \div 4 = \square$

$20 \div 2 = \square$

Step 2 - cross out the sentence with each answer:

1. The villain launches a sonic kick through the goalposts, then blows a loud whistle to distract the defense.
2. The villain makes a mega tackle on the practice dummy, then blows a loud whistle to distract the defense.
3. The villain launches a sonic kick through the goalposts, then hides the ball with sticky grip gloves.
4. The villain launches a sonic kick through the goalposts, then zips past wearing shiny blue cleats.
5. The villain blasts a rocket throw over the crossbar, then reflects the sun with a chrome helmet.
6. The villain blasts a rocket throw over the crossbar, then hides the ball with sticky grip gloves.
7. The villain takes off on a turbo sprint down the sideline, then hides the ball with sticky grip gloves.
8. The villain snatches a sticky catch out of the air, then zips past wearing shiny blue cleats.
9. The villain blasts a rocket throw over the crossbar, then zips past wearing shiny blue cleats.
10. The villain makes a mega tackle on the practice dummy, then zips past wearing shiny blue cleats.
11. The villain takes off on a turbo sprint down the sideline, then zips past wearing shiny blue cleats.
12. The villain snatches a sticky catch out of the air, then reflects the sun with a chrome helmet.

Answer Key

The Cal Blue Camp Caper

Culprit: Rivera

Sonic Kick · Loud Whistle · Left-Footed Kicker · Shaved Head · Bright Sunshine

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Subtraction): "THE THIEF DOES NOT WEAR A CHROME HELMET"

$962 - 73 = 889$ (T) · $494 - 17 = 477$ (O) · $618 - 2 = 616$ (R) · $908 - 314 = 594$ (S) · $777 - 200 = 577$ (E) · $378 - 164 = 214$ (F) · $580 - 389 = 191$ (A) · $595 - 203 = 392$ (D) · $367 - 208 = 159$ (C) · $953 - 232 = 721$ (N) · $248 - 65 = 183$ (M) · $703 - 192 = 511$ (W) · $715 - 150 = 565$ (L) · $601 - 79 = 522$ (H) · $1099 - 344 = 755$ (I)

Clue 2 (Multiplication facts (1-12)): "LEFTY KICKER LEFT A DEEP FOOTPRINT IN MUD"

$8 \times 12 = 96$ (L) · $5 \times 11 = 55$ (N) · $11 \times 4 = 44$ (I) · $8 \times 8 = 64$ (P) · $10 \times 9 = 90$ (M) · $4 \times 12 = 48$ (D) · $7 \times 8 = 56$ (E) · $1 \times 1 = 1$ (C) · $7 \times 2 = 14$ (F) · $11 \times 11 = 121$ (U) · $5 \times 7 = 35$ (Y) · $5 \times 10 = 50$ (K) · $9 \times 1 = 9$ (T) · $1 \times 7 = 7$ (R) · $9 \times 9 = 81$ (A) · $5 \times 5 = 25$ (O)

Clue 3 (Skip counting): "BRIGHT SUNSHINE BLINDS THE SNEAKY THIEF"

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (B) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 = 50 (A) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (N) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (K) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (F) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (G) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (R) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 = 18 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (I) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 = 35 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 = 60 (Y) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (D) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40 = 30 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (L)

Clue 4 (Rounding): "A SHAVED HEAD HAS NO HAIR FOR THE NET"

Round 329 to the nearest hundred = 300 (A) · Round 1,597 to the nearest thousand = 2000 (O) · Round 777 to the nearest hundred = 800 (T) · Round 89 to the nearest ten = 90 (D) · Round 7,555 to the nearest thousand = 8000 (E) · Round 454 to the nearest hundred = 500 (F) · Round 5,506 to the nearest thousand = 6000 (R) · Round 552 to the nearest hundred = 600 (V) · Round 4,344 to the nearest thousand = 4000 (N) · Round 23 to the nearest ten = 20 (I) · Round 731 to the nearest hundred = 700 (S) · Round 876 to the nearest hundred = 900 (H)

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

$36 \div 12 = 3$ · $21 \div 3 = 7$ · $27 \div 3 = 9$ · $18 \div 9 = 2$ · $33 \div 3 = 11$ · $20 \div 5 = 4$ · $50 \div 10 = 5$ · $108 \div 9 = 12$ · $12 \div 2 = 6$ · $32 \div 4 = 8$ · $20 \div 2 = 10$