



The Cal Blue Football Caper

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

Detective: _____ **Date:** _____

Welcome to Cal Blue Summer Camp! Disaster has struck. Just before the big championship game, someone stole all the footballs! Coach Blue needs your help. Use your math skills to crack the codes, track down the clues, and find the sneaky camp thief before kick-off!

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 Thief is _____

Possible suspects

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

NAME	CAMP GEAR	SNEAKY SKILL	THROWING HAND	HAIR CHALK	WEAKNESS
Jared Goff	Turbo Cleats	Silent Sneak	Right Handed	Gold Chalk	Loud Whistle
Aaron Rodgers	Megaphone	Shadow Crawl	Right Handed	Blue Chalk	Loud Whistle
Saquon Barkley	Laser Visor	Silent Sneak	Right Handed	Gold Chalk	Loud Whistle
Derrick Henry	Golden Whistle	Super Sprint	Right Handed	White Chalk	Loud Whistle
Patrick Mahomes	Sticky Gloves	Silent Sneak	Left Handed	White Chalk	Loud Whistle
Jalen Hurts	Sticky Gloves	High Jump	Left Handed	Blue Chalk	Squeaky Shoes
Dak Prescott	Laser Visor	High Jump	Left Handed	Blue Chalk	Wet Grass
Kirk Cousins	Sticky Gloves	Silent Sneak	Left Handed	Gold Chalk	Loud Whistle
T J Watt	Laser Visor	Shadow Crawl	Left Handed	Blue Chalk	Loud Whistle
Tom Brady	Laser Visor	Super Sprint	Left Handed	Gold Chalk	Squeaky Shoes
George Kittle	Laser Visor	Grass Disguise	Right Handed	Blue Chalk	Loud Whistle
Stefon Diggs	Turbo Cleats	Grass Disguise	Right Handed	Blue Chalk	Loud Whistle
Josh Allen	Megaphone	High Jump	Right Handed	Blue Chalk	Loud Whistle
Travis Kelce	Golden Whistle	High Jump	Right Handed	Gold Chalk	Wet Grass
Tyreek Hill	Megaphone	Grass Disguise	Right Handed	White Chalk	Squeaky Shoes
Christian McCaffrey	Megaphone	Shadow Crawl	Left Handed	Gold Chalk	Squeaky Shoes
Joe Burrow	Sticky Gloves	High Jump	Left Handed	White Chalk	Squeaky Shoes
Justin Jefferson	Megaphone	Silent Sneak	Right Handed	Blue Chalk	Wet Grass
Lamar Jackson	Sticky Gloves	Grass Disguise	Left Handed	Blue Chalk	Wet Grass
Deebo Samuel	Sticky Gloves	Grass Disguise	Right Handed	Blue Chalk	Wet Grass
Russell Wilson	Turbo Cleats	Silent Sneak	Right Handed	Blue Chalk	Loud Whistle

CLUE 1

Multiplication facts (1-12)

We found empty equipment boxes stacked in four neat rows of five. Multiply the rows to unlock the secret message.

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

T			T									T				
132	12	1	132	12	7	1	77	121	49	84	84	33	132	18	33	49
12	7	36	12	144	45	20	110									

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

$5 \times 4 = \square \rightarrow \text{M}$

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

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

$2 \times 6 = \square \rightarrow \text{H}$

$12 \times 12 = \square \rightarrow \text{J}$

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

$7 \times 7 = \square \rightarrow \text{A}$

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

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

$6 \times 3 = \square \rightarrow \text{D}$

$9 \times 4 = \square \rightarrow \text{G}$

$12 \times 7 = \square \rightarrow \text{N}$

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

$11 \times 3 = \square \rightarrow \text{O}$

Scratch space:

CLUE 2

We follow a trail of mud drops on the grass. We must skip count by tens along the yard lines to find the note.

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

A number line from 0 to 100. The line is marked with numbers every 10 units (0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100). Below the line, there are boxes for numbers. The boxes are arranged in two rows. The first row has boxes for 6, 36, 9, 6, 36, 25, 9, 45, 40, 50, 8, 65, 25, 55, 36, and 6. The second row has boxes for 36, 50, 22, 28, 9, and 28. Some boxes contain the letter 'T': the box for 6 in the first row, the box for 6 in the second row, the box for 40, the box for 50, the box for 8, the box for 65, the box for 25, the box for 55, the box for 36, and the box for 6 in the second row.

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

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, 45, 50, __, 60, 65 → **G**

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

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **E**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 → **N**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 → **D**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **R**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 → **W**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 → **H**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 → |

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

Scratch space:

CLUE 3

The equipment room started with eighty cones but now only forty remains. Subtract the difference to reveal the clue.

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

133 397 503 285 285 840 273 854 724 804 503 750 273 123 866 348 133 397 804 840

$$342 - 209 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$966 - 216 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$1188 - 322 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$919 - 79 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$621 - 336 = \boxed{} \rightarrow \boxed{\text{P}}$$

$447 - 99 = \boxed{} \rightarrow \boxed{\text{I}}$

$$464 - 67 = \boxed{} \rightarrow \boxed{\text{T}}$$

$944 - 90 = \boxed{} \rightarrow \boxed{\text{B}}$

$835 - 111 = \boxed{} \rightarrow \boxed{\text{Y}}$

$295 - 172 = \boxed{} \rightarrow \boxed{\text{W}}$

$$929 - 125 = \boxed{} \rightarrow \boxed{\text{L}}$$

$580 - 77 = \boxed{} \rightarrow \boxed{0}$

$586 - 313 = \boxed{} \rightarrow \boxed{\text{D}}$

Scratch space:

CLUE 4
Place value (tens & ones)

The digital camp scoreboard was tampered with. Look at the number in the hundreds place to crack the safe combination.

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

F																	
21	75	38	62	29	19	39	38	90	60	54	49	39	42	29	38	43	83

What number has 2 tens and 1 one?

→

F

What number has 6 tens and 0 ones?

→

C

What number has 4 tens and 2 ones?

→

K

What number has 8 tens and 3 ones?

→

T

What number has 4 tens and 3 ones?

→

S

What number has 2 tens and 9 ones?

→

D

What number has 5 tens and 4 ones?

→

H

What number has 4 tens and 9 ones?

→

A

What number has 7 tens and 5 ones?

→

O

What number has 1 ten and 9 ones?

→

B

What number has 6 tens and 2 ones?

→

N

What number has 9 tens and 0 ones?

→

E

What number has 3 tens and 8 ones?

→

U

What number has 3 tens and 9 ones?

→

L

Scratch space:

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

We have twelve energy bars to share equally among three camp counselors. Division will tell us who to question next.

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:

$24 \div 8 = \boxed{}$

$42 \div 6 = \boxed{}$

$63 \div 7 = \boxed{}$

$30 \div 5 = \boxed{}$

$72 \div 6 = \boxed{}$

$132 \div 12 = \boxed{}$

$4 \div 2 = \boxed{}$

$48 \div 12 = \boxed{}$

$16 \div 2 = \boxed{}$

$60 \div 6 = \boxed{}$

$5 \div 5 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain scoops up the practice balls, then stuffs them in a giant backpack.
2. The villain sprints past the field, then stuffs them in a giant backpack.
3. The villain scoops up the practice balls, then buries them in the sandbox.
4. The villain scoops up the practice balls, then hides them in the woods.
5. The villain sprints past the field, then hides them in the woods.
6. The villain sneaks into the locker room, then buries them in the sandbox.
7. The villain sprints past the field, then tucks them under the bleachers.
8. The villain sneaks into the locker room, then rolls them down the hill.
9. The villain sneaks into the locker room, then hides them in the woods.
10. The villain snatches the ball bag, then stuffs them in a giant backpack.
11. The villain sneaks into the locker room, then stuffs them in a giant backpack.
12. The villain scoops up the practice balls, then rolls them down the hill.

Answer Key

The Cal Blue Football Caper

Culprit: Stefon Diggs

Turbo Cleats · Grass Disguise · Right Handed · Blue Chalk · Loud Whistle

Trail: Start 21 → Clue 1 16 → Clue 2 10 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE THIEF CANNOT DO A HIGH JUMP"

$11 \times 12 = 132$ (T) · $5 \times 4 = 20$ (M) · $1 \times 7 = 7$ (I) · $11 \times 11 = 121$ (C) · $2 \times 6 = 12$ (H) · $12 \times 12 = 144$ (J) · $9 \times 5 = 45$ (U) · $7 \times 7 = 49$ (A) · $1 \times 1 = 1$ (E) · $11 \times 10 = 110$ (P) · $6 \times 3 = 18$ (D) · $9 \times 4 = 36$ (G) · $12 \times 7 = 84$ (N) · $7 \times 11 = 77$ (F) · $11 \times 3 = 33$ (O)

Clue 2 (Skip counting): "THE THIEF WAS RIGHT HANDED"

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (T) · 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 (F) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (N) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (D) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, __, 45, 50 = 40 (W) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 = 36 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (I) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (S)

Clue 3 (Subtraction): "STOPPED BY LOUD WHISTLE"

$342 - 209 = 133$ (S) · $966 - 216 = 750$ (U) · $1188 - 322 = 866$ (H) · $919 - 79 = 840$ (E) · $621 - 336 = 285$ (P) · $447 - 99 = 348$ (I) · $464 - 67 = 397$ (T) · $944 - 90 = 854$ (B) · $835 - 111 = 724$ (Y) · $295 - 172 = 123$ (W) · $929 - 125 = 804$ (L) · $580 - 77 = 503$ (O) · $586 - 313 = 273$ (D)

Clue 4 (Place value (tens & ones)): "FOUND BLUE CHALK DUST"

What number has 2 tens and 1 one? = 21 (F) · What number has 6 tens and 0 ones? = 60 (C) · What number has 4 tens and 2 ones? = 42 (K) · What number has 8 tens and 3 ones? = 83 (T) · What number has 4 tens and 3 ones? = 43 (S) · What number has 2 tens and 9 ones? = 29 (D) · What number has 5 tens and 4 ones? = 54 (H) · What number has 4 tens and 9 ones? = 49 (A) · What number has 7 tens and 5 ones? = 75 (O) · What number has 1 ten and 9 ones? = 19 (B) · What number has 6 tens and 2 ones? = 62 (N) · What number has 9 tens and 0 ones? = 90 (E) · What number has 3 tens and 8 ones? = 38 (U) · What number has 3 tens and 9 ones? = 39 (L)

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

$24 \div 8 = 3$ · $42 \div 6 = 7$ · $63 \div 7 = 9$ · $30 \div 5 = 6$ · $72 \div 6 = 12$ · $132 \div 12 = 11$ · $4 \div 2 = 2$ · $48 \div 12 = 4$ · $16 \div 2 = 8$ · $60 \div 6 = 10$ · $5 \div 5 = 1$