The Case of the Vanished Captain

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

Detective: _____ **Date:** _____

The whistle blew for the championship, but the Team Captain was gone. Someone snuck onto the field and grabbed her right before kickoff. Now it is up to you to track down the Pitch Prowler before the final match begins.

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 Pitch Prowler is _____

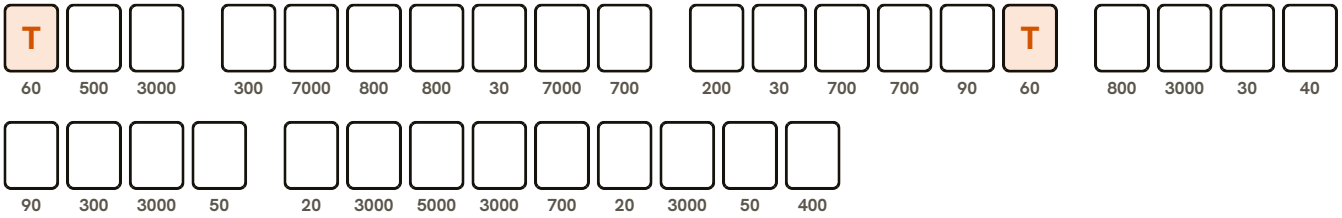
Possible suspects

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

NAME	SIGNATURE MOVE	FIELD TRICK	PLAYER	HAIR COLOR	WEAKNESS
Lucy Park	Rocket Shot	Fakes the Goalie	Boy	Black	Muddy Cleats
Sam Okafor	Bicycle Kick	Steals the Ball	Boy	Red	Blinding Lights
Leo Fischer	Bicycle Kick	Leaps Over Defenders	Boy	Blond	Blinding Lights
Ruby Adams	Rocket Shot	Sprints the Wing	Girl	Blond	Blinding Lights
Ella Brooks	Lightning Dribble	Leaps Over Defenders	Girl	Blond	Blinding Lights
Jasper Reed	Rocket Shot	Steals the Ball	Girl	Red	Loud Whistles
Zara Khan	Lightning Dribble	Sprints the Wing	Girl	Blond	Muddy Cleats
Pia Romano	Bicycle Kick	Bends the Ball	Boy	Blond	Loud Whistles
Coco Diaz	Rocket Shot	Bends the Ball	Girl	Blond	Blinding Lights
Tess Walker	Lightning Dribble	Leaps Over Defenders	Girl	Black	Blinding Lights
Felix Moreno	Rocket Shot	Steals the Ball	Girl	Red	Blinding Lights
Lina Costa	Diving Header	Steals the Ball	Girl	Red	Blinding Lights
Mateo Cruz	Rocket Shot	Bends the Ball	Girl	Red	Blinding Lights
Milo Hayes	Bicycle Kick	Steals the Ball	Girl	Blond	Loud Whistles
Ben Carter	Lightning Dribble	Sprints the Wing	Girl	Blond	Blinding Lights
Ava Kelly	Diving Header	Leaps Over Defenders	Girl	Blond	Loud Whistles
Diego Ramos	Bicycle Kick	Sprints the Wing	Boy	Black	Loud Whistles
Kai Johnson	Lightning Dribble	Sprints the Wing	Boy	Blond	Loud Whistles
Omar Said	Diving Header	Sprints the Wing	Girl	Blond	Blinding Lights
Theo Nguyen	Rocket Shot	Steals the Ball	Boy	Blond	Blinding Lights
Mia Torres	Diving Header	Steals the Ball	Girl	Blond	Loud Whistles

CLUE 1 Rounding

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

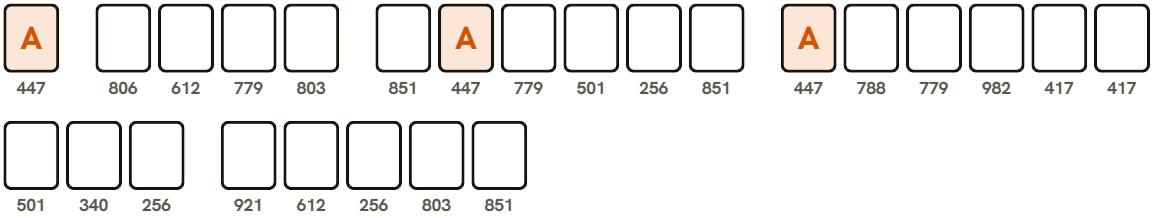


Round 57 to the nearest ten		T	Round 168 to the nearest hundred		C	Round 545 to the nearest hundred		H
Round 661 to the nearest hundred		N	Round 374 to the nearest hundred		S	Round 2,807 to the nearest thousand		E
Round 830 to the nearest hundred		L	Round 94 to the nearest ten		O	Round 48 to the nearest ten		R
Round 7,398 to the nearest thousand		I	Round 31 to the nearest ten		A	Round 43 to the nearest ten		P
Round 17 to the nearest ten		D	Round 4,858 to the nearest thousand		F	Round 298 to the nearest hundred		V

Scratch space:

CLUE 2 Addition

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

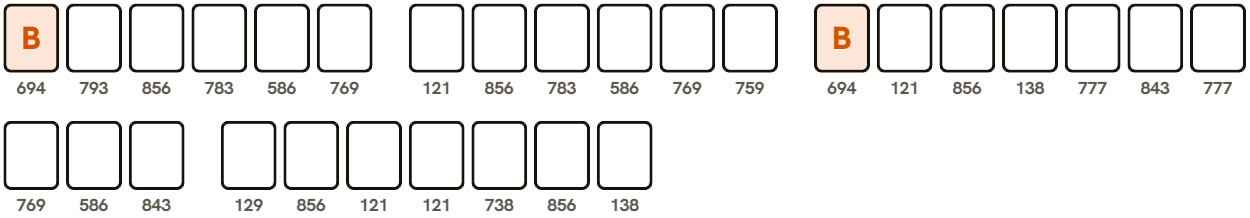


135 + 312 =		A	379 + 424 =		L	535 + 253 =		C
614 + 307 =		F	419 + 193 =		I	240 + 539 =		R
577 + 405 =		O	139 + 201 =		H	211 + 206 =		S
510 + 341 =		D	344 + 462 =		G	229 + 272 =		T
99 + 157 =		E						

Scratch space:

CLUE 3 Subtraction

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



879 - 185 = ☐ **B**

879 - 86 = ☐ **R**

1089 - 312 = ☐ **D**

800 - 62 = ☐ **A**

861 - 18 = ☐ **E**

1010 - 154 = ☐ **I**

1092 - 309 = ☐ **G**

1075 - 306 = ☐ **T**

201 - 63 = ☐ **N**

613 - 27 = ☐ **H**

903 - 144 = ☐ **S**

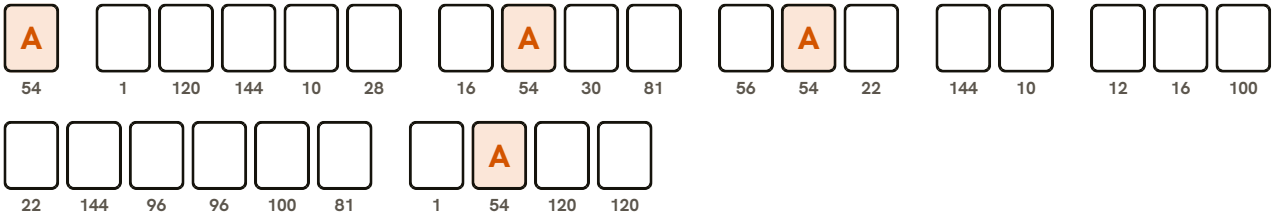
381 - 252 = ☐ **V**

275 - 154 = ☐ **L**

Scratch space:

CLUE 4 Multiplication facts (1-12)

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



9 × 6 =		A	5 × 6 =		I	1 × 12 =		T
9 × 9 =		R	12 × 8 =		C	10 × 12 =		L
10 × 10 =		E	2 × 5 =		N	1 × 1 =		B
11 × 2 =		S	7 × 8 =		W	4 × 4 =		H
4 × 7 =		D	12 × 12 =		O			

Scratch space:

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

48 ÷ 8 = ☐

9 ÷ 1 = ☐

5 ÷ 5 = ☐

50 ÷ 5 = ☐

144 ÷ 12 = ☐

80 ÷ 10 = ☐

24 ÷ 6 = ☐

28 ÷ 4 = ☐

5 ÷ 1 = ☐

27 ÷ 9 = ☐

6 ÷ 3 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain blasts a rocket shot, then bends the ball around the wall.
2. The villain flips into a bicycle kick, then leaps over the defenders.
3. The villain dribbles past everyone, then leaps over the defenders.
4. The villain dives for a header, then leaps over the defenders.
5. The villain dribbles past everyone, then steals the ball clean.
6. The villain blasts a rocket shot, then sprints down the wing.
7. The villain flips into a bicycle kick, then fakes out the goalie.
8. The villain spins into a quick juke, then steals the ball clean.
9. The villain dribbles past everyone, then sprints down the wing.
10. The villain dribbles past everyone, then fakes out the goalie.
11. The villain dives for a header, then sprints down the wing.
12. The villain dives for a header, then steals the ball clean.

TEACHER / PARENT

Answer Key

The Case of the Vanished Captain

Culprit: Omar Said

Diving Header · Sprints the Wing · Girl · Blond · Blinding Lights

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN CANNOT LEAP OVER DEFENDERS"

Round 57 to the nearest ten = 60 (T) · Round 168 to the nearest hundred = 200 (C) · Round 545 to the nearest hundred = 500 (H) · Round 661 to the nearest hundred = 700 (N) · Round 374 to the nearest hundred = 400 (S) · Round 2,807 to the nearest thousand = 3000 (E) · Round 830 to the nearest hundred = 800 (L) · Round 94 to the nearest ten = 90 (O) · Round 48 to the nearest ten = 50 (R) · Round 7,398 to the nearest thousand = 7000 (I) · Round 31 to the nearest ten = 30 (A) · Round 43 to the nearest ten = 40 (P) · Round 17 to the nearest ten = 20 (D) · Round 4,858 to the nearest thousand = 5000 (F) · Round 298 to the nearest hundred = 300 (V)

Clue 2 (Addition): "A GIRL DARTED ACROSS THE FIELD"

135 + 312 = 447 (A) · 379 + 424 = 803 (L) · 535 + 253 = 788 (C) · 614 + 307 = 921 (F) · 419 + 193 = 612 (I) · 240 + 539 = 779 (R) · 577 + 405 = 982 (O) · 139 + 201 = 340 (H) · 211 + 206 = 417 (S) · 510 + 341 = 851 (D) · 344 + 462 = 806 (G) · 229 + 272 = 501 (T) · 99 + 157 = 256 (E)

Clue 3 (Subtraction): "BRIGHT LIGHTS BLINDED THE VILLAIN"

879 - 185 = 694 (B) · 879 - 86 = 793 (R) · 1089 - 312 = 777 (D) · 800 - 62 = 738 (A) · 861 - 18 = 843 (E) · 1010 - 154 = 856 (I) · 1092 - 309 = 783 (G) · 1075 - 306 = 769 (T) · 201 - 63 = 138 (N) · 613 - 27 = 586 (H) · 903 - 144 = 759 (S) · 381 - 252 = 129 (V) · 275 - 154 = 121 (L)

Clue 4 (Multiplication facts (1-12)): "A BLOND HAIR WAS ON THE SOCCER BALL"

9 × 6 = 54 (A) · 5 × 6 = 30 (I) · 1 × 12 = 12 (T) · 9 × 9 = 81 (R) · 12 × 8 = 96 (C) · 10 × 12 = 120 (L) · 10 × 10 = 100 (E) · 2 × 5 = 10 (N) · 1 × 1 = 1 (B) · 11 × 2 = 22 (S) · 7 × 8 = 56 (W) · 4 × 4 = 16 (H) · 4 × 7 = 28 (D) · 12 × 12 = 144 (O)

Clue 5 (Division facts (1-12)): surviving statement is box 11 → Omar Said

48 ÷ 8 = 6 · 9 ÷ 1 = 9 · 5 ÷ 5 = 1 · 50 ÷ 5 = 10 · 144 ÷ 12 = 12 · 80 ÷ 10 = 8 · 24 ÷ 6 = 4 · 28 ÷ 4 = 7 · 5 ÷ 1 = 5 · 27 ÷ 9 = 3 · 6 ÷ 3 = 2