The Junior World Cup Trophy Heist

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

Detective: _____ **Date:** _____

The stadium lights are shining and the crowd is roaring for the big World Cup game. But right before kickoff, the Head Referee found the trophy case empty! The championship cup is gone. A sneaky player has hidden it somewhere in the stadium, and it is up to you to crack the clues and save the final match!

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 Trophy Snatcher is _____

Possible suspects

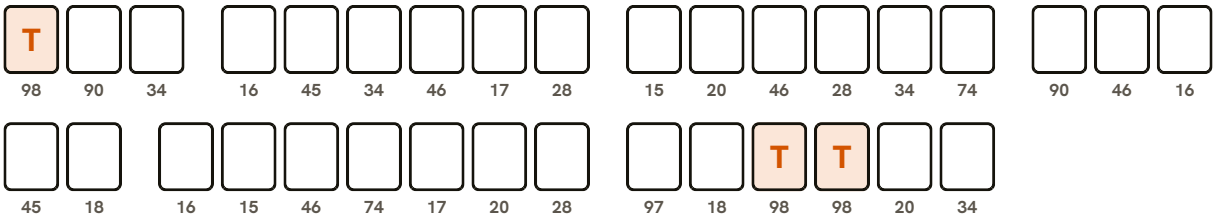
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE TRICK	LUCKY GEAR	PLAYER DIVISION	MASCOT HEADWEAR	MATCH FRIGHT
Midfield Mia	Rocket Power Shot	Glowing Captain Armband	Girl League	Green Spiky Wig	Loud Referee Whistle
Cleat Connor	Invisible Dribble	Glowing Captain Armband	Girl League	Green Spiky Wig	Muddy Pitch
Sweeper Sue	Lightning Slide Tackle	Lucky Star Socks	Girl League	Green Spiky Wig	Muddy Pitch
Striker Sally	Super Bicycle Kick	Neon Shin Guards	Boy League	Neon Sweatband	Muddy Pitch
Defender Dan	Rocket Power Shot	Neon Shin Guards	Girl League	Backward Red Cap	Loud Referee Whistle
Pele Pete	Tornado Goalie Save	Golden Cleats	Girl League	Green Spiky Wig	Yellow Cards
Sideline Sid	Rocket Power Shot	Glowing Captain Armband	Boy League	Green Spiky Wig	Loud Referee Whistle
Goalie Grace	Rocket Power Shot	Neon Shin Guards	Boy League	Backward Red Cap	Yellow Cards
Kicker Kate	Lightning Slide Tackle	Golden Cleats	Boy League	Neon Sweatband	Muddy Pitch
Winger Wendy	Invisible Dribble	Sparkly Water Bottle	Boy League	Green Spiky Wig	Loud Referee Whistle
Striker Steve	Tornado Goalie Save	Lucky Star Socks	Boy League	Green Spiky Wig	Loud Referee Whistle
Header Henry	Rocket Power Shot	Lucky Star Socks	Boy League	Green Spiky Wig	Muddy Pitch
Striker Sam	Invisible Dribble	Golden Cleats	Boy League	Green Spiky Wig	Loud Referee Whistle
Keeper Kim	Rocket Power Shot	Neon Shin Guards	Boy League	Green Spiky Wig	Loud Referee Whistle
Tackle Toby	Rocket Power Shot	Glowing Captain Armband	Girl League	Backward Red Cap	Yellow Cards
Winger Will	Invisible Dribble	Golden Cleats	Girl League	Green Spiky Wig	Loud Referee Whistle
Dribble Drew	Tornado Goalie Save	Golden Cleats	Boy League	Backward Red Cap	Yellow Cards
Ronaldo Ryan	Rocket Power Shot	Glowing Captain Armband	Boy League	Backward Red Cap	Loud Referee Whistle
Forward Fred	Invisible Dribble	Sparkly Water Bottle	Girl League	Green Spiky Wig	Loud Referee Whistle
Goalie Gabe	Invisible Dribble	Golden Cleats	Girl League	Neon Sweatband	Muddy Pitch
Passer Paige	Lightning Slide Tackle	Golden Cleats	Boy League	Green Spiky Wig	Yellow Cards

CLUE 1 Place value (tens & ones)

> You find a mysterious locker with a three-digit code. To open it, you must look closely at the digit in the tens place of the scoreboard.

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



What number has 9 tens and 8 ones? ____ T

What number has 1 ten and 6 ones? ____ S

What number has 1 ten and 7 ones? ____ K

What number has 7 tens and 4 ones? ____ R

What number has 9 tens and 0 ones? ____ H

What number has 4 tens and 5 ones? ____ N

What number has 1 ten and 8 ones? ____ O

What number has 4 tens and 6 ones? ____ A

What number has 3 tens and 4 ones? ____ E

What number has 9 tens and 7 ones? ____ B

What number has 2 tens and 0 ones? ____ L

What number has 1 ten and 5 ones? ____ P

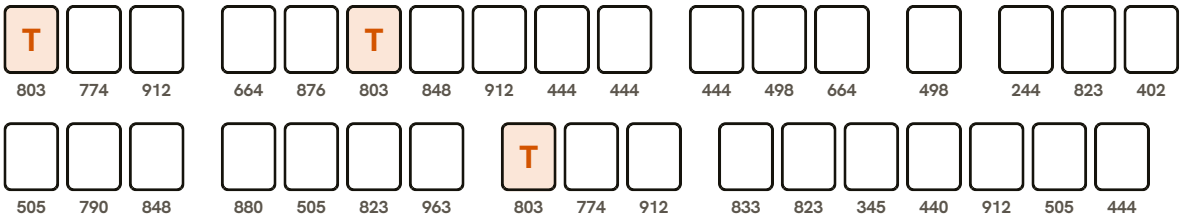
What number has 2 tens and 8 ones? ____ Y

Scratch space:

CLUE 2 Addition

> Next, you search the team equipment room. You count all the soccer balls by adding the count in the red bin to the count in the blue bin.

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



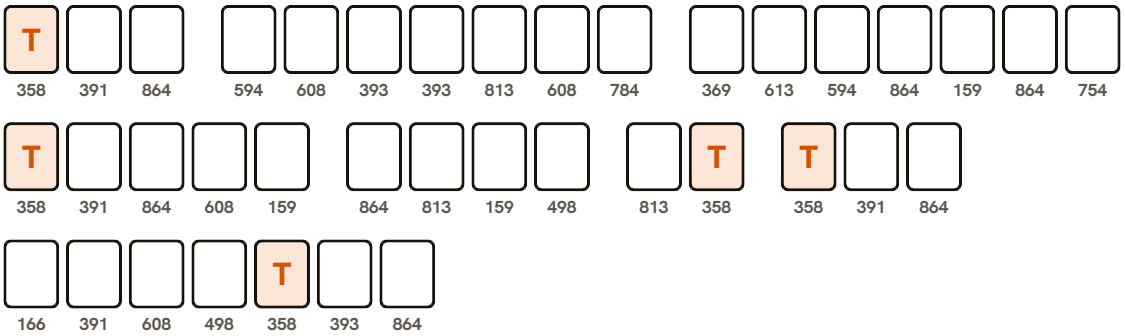
488 + 315 =		T	427 + 449 =		I	143 + 101 =		B
279 + 633 =		E	143 + 297 =		K	315 + 349 =		W
192 + 313 =		R	187 + 257 =		S	361 + 429 =		U
242 + 103 =		C	284 + 490 =		H	492 + 356 =		N
524 + 299 =		O	286 + 594 =		F	245 + 253 =		A
323 + 510 =		L	237 + 165 =		Y	608 + 355 =		M

Scratch space:

CLUE 3 Subtraction

> To get past the VIP gate, you look at the game program. Subtract the number of injured players from the total squad to find the secret hallway code.

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



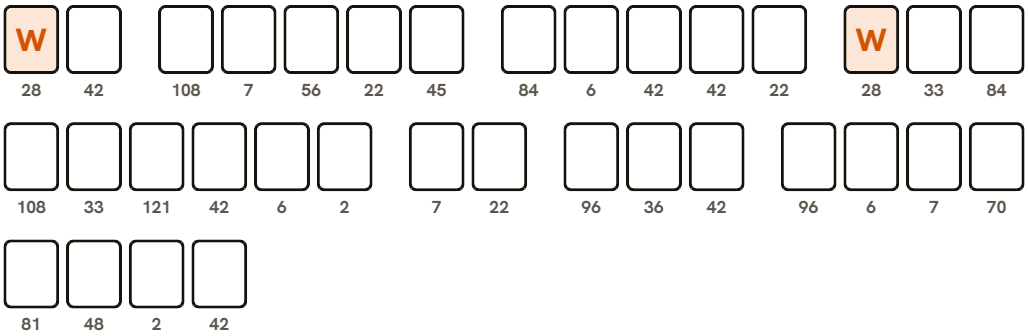
620 - 262 =		T	765 - 171 =		V	600 - 102 =		S
1249 - 385 =		E	1131 - 318 =		A	805 - 197 =		I
714 - 345 =		C	705 - 314 =		H	1038 - 254 =		N
236 - 70 =		W	834 - 221 =		O	827 - 73 =		D
428 - 269 =		R	458 - 65 =		L			

Scratch space:

CLUE 4 Multiplication facts (1-12)

> On the stadium turf, you spot rows of fancy energy drinks. You multiply the number of rows by the number of drinks in each row to find the hidden seat number.

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



7 × 4 =		W	11 × 11 =		B	9 × 4 =		H
1 × 7 =		O	6 × 7 =		E	12 × 9 =		F
3 × 2 =		R	12 × 8 =		T	1 × 2 =		S
9 × 5 =		D	9 × 9 =		C	11 × 3 =		I
12 × 7 =		G	8 × 7 =		U	12 × 12 =		Y
11 × 2 =		N	4 × 12 =		A	10 × 7 =		P

Scratch space:

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

> Finally, the referees are splitting up training cones. Dividing the cones equally among the three practice fields reveals the last clues.

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:

5 ÷ 1 = ☐	28 ÷ 4 = ☐	8 ÷ 4 = ☐
27 ÷ 3 = ☐	24 ÷ 2 = ☐	24 ÷ 6 = ☐
12 ÷ 2 = ☐	4 ÷ 4 = ☐	80 ÷ 10 = ☐
120 ÷ 12 = ☐	24 ÷ 8 = ☐	

Step 2 - cross out the sentence with each answer:

1. The villain scrambles the team jerseys, then runs away wearing giant mascot shoes.
2. The villain scrambles the team jerseys, then escapes on a tiny soccer scooter.
3. The villain swaps the goalie gloves, then dribbles away down the service tunnel.
4. The villain hides the referee whistle, then escapes on a tiny soccer scooter.
5. The villain tangles the goal nets, then runs away wearing giant mascot shoes.
6. The villain swaps the goalie gloves, then runs away wearing giant mascot shoes.
7. The villain swaps the goalie gloves, then flees through the stadium concessions.
8. The villain scrambles the team jerseys, then zooms off with a bag of gold medals.
9. The villain steals the game ball, then dribbles away down the service tunnel.
10. The villain steals the game ball, then escapes on a tiny soccer scooter.
11. The villain tangles the goal nets, then dribbles away down the service tunnel.
12. The villain swaps the goalie gloves, then zooms off with a bag of gold medals.

TEACHER / PARENT

Answer Key

The Junior World Cup Trophy Heist

Culprit: Sideline Sid

Rocket Power Shot · Glowing Captain Armband · Boy League · Green Spiky Wig · Loud Referee Whistle

Trail: Start 21 → Clue 1 19 → Clue 2 11 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Place value (tens & ones)): "THE SNEAKY PLAYER HAS NO SPARKLY BOTTLE"

What number has 9 tens and 8 ones? = 98 (T) · What number has 1 ten and 6 ones? = 16 (S) · What number has 1 ten and 7 ones? = 17 (K) · What number has 7 tens and 4 ones? = 74 (R) · What number has 9 tens and 0 ones? = 90 (H) · What number has 4 tens and 5 ones? = 45 (N) · What number has 1 ten and 8 ones? = 18 (O) · What number has 4 tens and 6 ones? = 46 (A) · What number has 3 tens and 4 ones? = 34 (E) · What number has 9 tens and 7 ones? = 97 (B) · What number has 2 tens and 0 ones? = 20 (L) · What number has 1 ten and 5 ones? = 15 (P) · What number has 2 tens and 8 ones? = 28 (Y)

Clue 2 (Addition): "THE WITNESS SAW A BOY RUN FROM THE LOCKERS"

488 + 315 = 803 (T) · 427 + 449 = 876 (I) · 143 + 101 = 244 (B) · 279 + 633 = 912 (E) · 143 + 297 = 440 (K) · 315 + 349 = 664 (W) · 192 + 313 = 505 (R) · 187 + 257 = 444 (S) · 361 + 429 = 790 (U) · 242 + 103 = 345 (C) · 284 + 490 = 774 (H) · 492 + 356 = 848 (N) · 524 + 299 = 823 (O) · 286 + 594 = 880 (F) · 245 + 253 = 498 (A) · 323 + 510 = 833 (L) · 237 + 165 = 402 (Y) · 608 + 355 = 963 (M)

Clue 3 (Subtraction): "THE VILLAIN COVERED THEIR EARS AT THE WHISTLE"

620 - 262 = 358 (T) · 765 - 171 = 594 (V) · 600 - 102 = 498 (S) · 1249 - 385 = 864 (E) · 1131 - 318 = 813 (A) · 805 - 197 = 608 (I) · 714 - 345 = 369 (C) · 705 - 314 = 391 (H) · 1038 - 254 = 784 (N) · 236 - 70 = 166 (W) · 834 - 221 = 613 (O) · 827 - 73 = 754 (D) · 428 - 269 = 159 (R) · 458 - 65 = 393 (L)

Clue 4 (Multiplication facts (1-12)): "WE FOUND GREEN WIG FIBERS ON THE TROPHY CASE"

7 × 4 = 28 (W) · 11 × 11 = 121 (B) · 9 × 4 = 36 (H) · 1 × 7 = 7 (O) · 6 × 7 = 42 (E) · 12 × 9 = 108 (F) · 3 × 2 = 6 (R) · 12 × 8 = 96 (T) · 1 × 2 = 2 (S) · 9 × 5 = 45 (D) · 9 × 9 = 81 (C) · 11 × 3 = 33 (I) · 12 × 7 = 84 (G) · 8 × 7 = 56 (U) · 12 × 12 = 144 (Y) · 11 × 2 = 22 (N) · 4 × 12 = 48 (A) · 10 × 7 = 70 (P)

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

5 ÷ 1 = 5 · 28 ÷ 4 = 7 · 8 ÷ 4 = 2 · 27 ÷ 3 = 9 · 24 ÷ 2 = 12 · 24 ÷ 6 = 4 · 12 ÷ 2 = 6 · 4 ÷ 4 = 1 · 80 ÷ 10 = 8 · 120 ÷ 12 = 10 · 24 ÷ 8 = 3