



The Mystery of the Missing Championship Trophy

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

Detective: _____ Date: _____

Someone snuck onto the pitch at Starlight Stadium and hid the Golden Soccer Trophy right before the championship finals. Use your math skills to decode the clues and catch the culprit.

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 Soccer Saboteur 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	SOCCER GEAR	DOMINANT KICK	HAIR STYLE	DISTRACTION
Christian Pulisic	Curving Free Kick	Sweatband	Left Footed	Curly Blonde Hair	Whistle Sound
Megan Rapinoe	Bicycle Kick	Shinguards	Right Footed	Braided Red Hair	Muddy Grass
Bukayo Saka	Slide Tackle	Shinguards	Right Footed	Spiky Black Hair	Muddy Grass
Trinity Rodman	Rainbow Flick	Neon Cleats	Left Footed	Curly Blonde Hair	Bright Floodlights
Erling Haaland	Power Header	Padded Gloves	Right Footed	Curly Blonde Hair	Bright Floodlights
Cole Palmer	Rainbow Flick	Neon Cleats	Left Footed	Curly Blonde Hair	Muddy Grass
Pedri Gonzalez	Slide Tackle	Neon Cleats	Right Footed	Curly Blonde Hair	Bright Floodlights
Luka Modric	Rainbow Flick	Captain Armband	Right Footed	Spiky Black Hair	Bright Floodlights
Son Heungmin	Power Header	Padded Gloves	Left Footed	Braided Red Hair	Muddy Grass
Jude Bellingham	Rainbow Flick	Captain Armband	Left Footed	Braided Red Hair	Bright Floodlights
Sam Kerr	Rainbow Flick	Sweatband	Right Footed	Braided Red Hair	Muddy Grass
Alex Morgan	Rainbow Flick	Shinguards	Left Footed	Curly Blonde Hair	Muddy Grass
Alphonso Davies	Curving Free Kick	Shinguards	Right Footed	Curly Blonde Hair	Whistle Sound
Declan Rice	Bicycle Kick	Shinguards	Left Footed	Curly Blonde Hair	Muddy Grass
Virgil van Dijk	Bicycle Kick	Neon Cleats	Right Footed	Curly Blonde Hair	Muddy Grass
Lionel Messi	Rainbow Flick	Captain Armband	Left Footed	Curly Blonde Hair	Bright Floodlights
Rose Lavelle	Curving Free Kick	Captain Armband	Left Footed	Curly Blonde Hair	Muddy Grass
Gavi Paez	Rainbow Flick	Shinguards	Left Footed	Braided Red Hair	Muddy Grass
Cristiano Ronaldo	Rainbow Flick	Padded Gloves	Left Footed	Curly Blonde Hair	Muddy Grass
Kevin De Bruyne	Rainbow Flick	Neon Cleats	Left Footed	Spiky Black Hair	Whistle Sound
Jamal Musiala	Slide Tackle	Captain Armband	Left Footed	Curly Blonde Hair	Whistle Sound

CLUE 1 Rounding

The stadium scoreboard digital display rounds fan ticket counts to the nearest ten.

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

T																T
3000	400	90	500	700	40	40	70	700	600	7000	5000	90	9000	600	5000	3000
80	90	70	2000	4000	70	7000	7000	90	7000	20	40	5000	500	90	9000	

Round 3,116 to the nearest thousand → **T**

Round 88 to the nearest ten → **E**

Round 724 to the nearest hundred → **I**

Round 6,527 to the nearest thousand → **D**

Round 78 to the nearest ten → **W**

Round 544 to the nearest hundred → **V**

Round 4,595 to the nearest thousand → **O**

Round 66 to the nearest ten → **A**

Round 17 to the nearest ten → **G**

Round 2,072 to the nearest thousand → **R**

Round 576 to the nearest hundred → **N**

Round 42 to the nearest ten → **L**

Round 3,849 to the nearest thousand → **P**

Round 8,771 to the nearest thousand → **S**

Round 435 to the nearest hundred → **H**

Scratch space:

CLUE 2

Addition

Coach Martinez added up all the training gear brought to the field.

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

W									W					
640	639	517	213	730	598	598	598	908	640	908	244	730	892	517

892	779	779	517	730	947	877	639	286	877

$375 + 265 = \square \rightarrow \boxed{\text{W}}$

$360 + 370 = \square \rightarrow \boxed{\text{E}}$

$244 + 354 = \square \rightarrow \boxed{\text{S}}$

$287 + 621 = \square \rightarrow \boxed{\text{A}}$

$611 + 281 = \square \rightarrow \boxed{\text{F}}$

$84 + 129 = \square \rightarrow \boxed{\text{N}}$

$394 + 385 = \square \rightarrow \boxed{\text{O}}$

$338 + 301 = \square \rightarrow \boxed{\text{I}}$

$186 + 331 = \square \rightarrow \boxed{\text{T}}$

$276 + 601 = \square \rightarrow \boxed{\text{K}}$

$420 + 527 = \square \rightarrow \boxed{\text{D}}$

$89 + 155 = \square \rightarrow \boxed{\text{L}}$

$175 + 111 = \square \rightarrow \boxed{\text{C}}$

Scratch space:

CLUE 3

Subtraction

The equipment manager subtracted missing soccer balls from the storage bin.

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

T															
284	863	172	323	517	172	224	698	323	521	635	349	349	172	271	635 517

T									
284	863	172	452	446	271	271	166	234	115 224 323 323

$357 - 73 = \square \rightarrow \boxed{\text{T}}$

$719 - 273 = \square \rightarrow \boxed{\text{U}}$

$336 - 112 = \square \rightarrow \boxed{\text{A}}$

$459 - 7 = \square \rightarrow \boxed{\text{M}}$

$777 - 79 = \square \rightarrow \boxed{\text{K}}$

$294 - 60 = \square \rightarrow \boxed{\text{G}}$

$218 - 103 = \square \rightarrow \boxed{\text{R}}$

$405 - 239 = \square \rightarrow \boxed{\text{Y}}$

$686 - 337 = \square \rightarrow \boxed{\text{P}}$

$432 - 109 = \square \rightarrow \boxed{\text{S}}$

$946 - 83 = \square \rightarrow \boxed{\text{H}}$

$539 - 268 = \square \rightarrow \boxed{\text{D}}$

$814 - 179 = \square \rightarrow \boxed{\text{I}}$

$427 - 255 = \square \rightarrow \boxed{\text{E}}$

$600 - 83 = \square \rightarrow \boxed{\text{N}}$

$644 - 123 = \square \rightarrow \boxed{\text{L}}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

The team lined up practice cones in equal rows across the grass.

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

A																		
81	84	90	60	18	60	15	72	18	1	42	35	44	121	35	15	144	66	60

	A				A					
2	81	90	42	70	81	3	35	60	72	55

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

$7 \times 10 = \square \rightarrow \boxed{\text{W}}$

$5 \times 3 = \square \rightarrow \boxed{\text{O}}$

$3 \times 6 = \square \rightarrow \boxed{\text{C}}$

$7 \times 5 = \square \rightarrow \boxed{\text{L}}$

$10 \times 9 = \square \rightarrow \boxed{\text{I}}$

$1 \times 3 = \square \rightarrow \boxed{\text{S}}$

$8 \times 9 = \square \rightarrow \boxed{\text{F}}$

$7 \times 12 = \square \rightarrow \boxed{\text{P}}$

$1 \times 1 = \square \rightarrow \boxed{\text{U}}$

$2 \times 1 = \square \rightarrow \boxed{\text{H}}$

$5 \times 12 = \square \rightarrow \boxed{\text{E}}$

$11 \times 4 = \square \rightarrow \boxed{\text{Y}}$

$11 \times 11 = \square \rightarrow \boxed{\text{B}}$

$6 \times 11 = \square \rightarrow \boxed{\text{D}}$

$6 \times 7 = \square \rightarrow \boxed{\text{R}}$

$5 \times 11 = \square \rightarrow \boxed{\text{T}}$

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

Scratch space:

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

The referee split the juice boxes equally among the practice groups.

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:

$21 \div 7 = \boxed{}$

$42 \div 6 = \boxed{}$

$50 \div 5 = \boxed{}$

$54 \div 9 = \boxed{}$

$36 \div 3 = \boxed{}$

$8 \div 2 = \boxed{}$

$132 \div 12 = \boxed{}$

$8 \div 1 = \boxed{}$

$35 \div 7 = \boxed{}$

$11 \div 11 = \boxed{}$

$72 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain landed a bicycle kick, then laced up neon cleats.
2. The villain showed off a rainbow flick, then snapped on shinguards.
3. The villain showed off a rainbow flick, then laced up neon cleats.
4. The villain showed off a rainbow flick, then wiped sweat with a sweatband.
5. The villain executed a curving free kick, then wiped sweat with a sweatband.
6. The villain scored a power header, then wiped sweat with a sweatband.
7. The villain landed a bicycle kick, then snapped on shinguards.
8. The villain showed off a rainbow flick, then pulled on padded gloves.
9. The villain landed a bicycle kick, then adjusted a captain armband.
10. The villain executed a curving free kick, then adjusted a captain armband.
11. The villain performed a slide tackle, then pulled on padded gloves.
12. The villain showed off a rainbow flick, then adjusted a captain armband.

Answer Key

The Mystery of the Missing Championship Trophy

Culprit: Alex Morgan

Rainbow Flick · Shinguards · Left Footed · Curly Blonde Hair · Muddy Grass

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

Clue 1 (Rounding): "THE VILLAIN DOES NOT WEAR PADDED GLOVES"

Round 3,116 to the nearest thousand = 3000 (T) · Round 88 to the nearest ten = 90 (E) · Round 724 to the nearest hundred = 700 (I) · Round 6,527 to the nearest thousand = 7000 (D) · Round 78 to the nearest ten = 80 (W) · Round 544 to the nearest hundred = 500 (V) · Round 4,595 to the nearest thousand = 5000 (O) · Round 66 to the nearest ten = 70 (A) · Round 17 to the nearest ten = 20 (G) · Round 2,072 to the nearest thousand = 2000 (R) · Round 576 to the nearest hundred = 600 (N) · Round 42 to the nearest ten = 40 (L) · Round 3,849 to the nearest thousand = 4000 (P) · Round 8,771 to the nearest thousand = 9000 (S) · Round 435 to the nearest hundred = 400 (H)

Clue 2 (Addition): "WITNESS SAW A LEFT FOOTED KICK"

$375 + 265 = 640$ (W) · $360 + 370 = 730$ (E) · $244 + 354 = 598$ (S) · $287 + 621 = 908$ (A) · $611 + 281 = 892$ (F) · $84 + 129 = 213$ (N) · $394 + 385 = 779$ (O) · $338 + 301 = 639$ (I) · $186 + 331 = 517$ (T) · $276 + 601 = 877$ (K) · $420 + 527 = 947$ (D) · $89 + 155 = 244$ (L) · $175 + 111 = 286$ (C)

Clue 3 (Subtraction): "THE SNEAK SLIPPED IN THE MUDDY GRASS"

$357 - 73 = 284$ (T) · $719 - 273 = 446$ (U) · $336 - 112 = 224$ (A) · $459 - 7 = 452$ (M) · $777 - 79 = 698$ (K) · $294 - 60 = 234$ (G) · $218 - 103 = 115$ (R) · $405 - 239 = 166$ (Y) · $686 - 337 = 349$ (P) · $432 - 109 = 323$ (S) · $946 - 83 = 863$ (H) · $539 - 268 = 271$ (D) · $814 - 179 = 635$ (I) · $427 - 255 = 172$ (E) · $600 - 83 = 517$ (N) · $644 - 123 = 521$ (L)

Clue 4 (Multiplication facts (1-12)): "A PIECE OF CURLY BLONDE HAIR WAS LEFT"

$9 \times 9 = 81$ (A) · $7 \times 10 = 70$ (W) · $5 \times 3 = 15$ (O) · $3 \times 6 = 18$ (C) · $7 \times 5 = 35$ (L) · $10 \times 9 = 90$ (I) · $1 \times 3 = 3$ (S) · $8 \times 9 = 72$ (F) · $7 \times 12 = 84$ (P) · $1 \times 1 = 1$ (U) · $2 \times 1 = 2$ (H) · $5 \times 12 = 60$ (E) · $11 \times 4 = 44$ (Y) · $11 \times 11 = 121$ (B) · $6 \times 11 = 66$ (D) · $6 \times 7 = 42$ (R) · $5 \times 11 = 55$ (T) · $12 \times 12 = 144$ (N)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → Alex Morgan

$21 \div 7 = 3$ · $42 \div 6 = 7$ · $50 \div 5 = 10$ · $54 \div 9 = 6$ · $36 \div 3 = 12$ · $8 \div 2 = 4$ · $132 \div 12 = 11$ · $8 \div 1 = 8$ · $35 \div 7 = 5$ · $11 \div 11 = 1$ · $72 \div 8 = 9$