



The Case of the Missing Championship Trophy

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

Detective: _____ **Date:** _____

Right before the final match of the season, someone snuck into the locker room and stole the golden Championship Cup! The culprit left muddy tracks all over the pitch. Coach Leo needs your help to solve this case and save the big game!

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 stadium sneaker 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	SUPER GEAR	DOMINANT FOOT	HEADBAND COLOR	MAIN DISTRACTION
Cristiano Ronaldo	Nutmeg Dribble	Light Up Cleats	Left Footed Kicker	Electric Blue Headband	Squeaky Chew Toy
Alex Morgan	Bicycle Kick	GPS Fitness Tracker	Left Footed Kicker	Electric Blue Headband	Squeaky Chew Toy
Erling Haaland	Header Blast	Neon Goalie Gloves	Right Footed Kicker	Bright Orange Headband	Soggy Field Patch
Bukayo Saka	Header Blast	Neon Goalie Gloves	Left Footed Kicker	Electric Blue Headband	Soggy Field Patch
Neymar Junior	Bicycle Kick	Light Up Cleats	Left Footed Kicker	Electric Blue Headband	Shiny Gold Medal
Alexia Putellas	Bicycle Kick	Neon Goalie Gloves	Left Footed Kicker	Bright Orange Headband	Squeaky Chew Toy
Beth Mead	Curving Free Kick	GPS Fitness Tracker	Left Footed Kicker	Neon Green Headband	Shiny Gold Medal
Luka Modric	Header Blast	Golden Captain Armband	Right Footed Kicker	Electric Blue Headband	Squeaky Chew Toy
Alexandra Popp	Rocket Volley	Neon Goalie Gloves	Right Footed Kicker	Bright Orange Headband	Squeaky Chew Toy
Marcus Rashford	Curving Free Kick	Squeaky Shin Guards	Left Footed Kicker	Electric Blue Headband	Squeaky Chew Toy
Jamal Musiala	Curving Free Kick	Squeaky Shin Guards	Left Footed Kicker	Neon Green Headband	Squeaky Chew Toy
Marta Vieira	Header Blast	Squeaky Shin Guards	Right Footed Kicker	Neon Green Headband	Squeaky Chew Toy
Harry Kane	Header Blast	Golden Captain Armband	Left Footed Kicker	Neon Green Headband	Squeaky Chew Toy
Christian Pulisic	Rocket Volley	Light Up Cleats	Left Footed Kicker	Electric Blue Headband	Squeaky Chew Toy
Sam Kerr	Nutmeg Dribble	GPS Fitness Tracker	Right Footed Kicker	Bright Orange Headband	Soggy Field Patch
Kylian Mbappe	Curving Free Kick	Neon Goalie Gloves	Left Footed Kicker	Electric Blue Headband	Squeaky Chew Toy
Kevin De Bruyne	Header Blast	GPS Fitness Tracker	Right Footed Kicker	Bright Orange Headband	Squeaky Chew Toy
Mohamed Salah	Nutmeg Dribble	Golden Captain Armband	Left Footed Kicker	Electric Blue Headband	Soggy Field Patch
Heung Min Son	Rocket Volley	Squeaky Shin Guards	Left Footed Kicker	Neon Green Headband	Squeaky Chew Toy
Lionel Messi	Nutmeg Dribble	Neon Goalie Gloves	Left Footed Kicker	Bright Orange Headband	Soggy Field Patch
Karim Benzema	Header Blast	Light Up Cleats	Left Footed Kicker	Bright Orange Headband	Squeaky Chew Toy

CLUE 1 Rounding

We check the main scoreboard radar to see how fast the runner was going. It only shows speeds rounded to the nearest ten.

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

T			T											T				
3700	4300	2300	3700	4300	430	2300	70	3000	9000	2300	90	20	9000	3700	700	2300	2900	1100

				T							
2900	290	7000	90	3700	1100	2900	2000	230	2300	1100	

Round 3,730 to the nearest hundred → **T**

Round 289 to the nearest ten → **G**

Round 7,314 to the nearest thousand → **P**

Round 227 to the nearest ten → **K**

Round 2,841 to the nearest thousand → **D**

Round 680 to the nearest hundred → **W**

Round 1,096 to the nearest hundred → **R**

Round 2,320 to the nearest hundred → **E**

Round 2,899 to the nearest hundred → **A**

Round 8,868 to the nearest thousand → **O**

Round 2,443 to the nearest thousand → **C**

Round 434 to the nearest ten → **I**

Round 23 to the nearest ten → **N**

Round 71 to the nearest ten → **F**

Round 91 to the nearest ten → **S**

Round 4,283 to the nearest hundred → **H**

Scratch space:

CLUE 2 Addition

Coach Leo counts the spare jerseys piled up on the bench. We add them together to find the total squad size.

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

T																		
7106	3692	6538	4449	6712	5116	2012	2012	5867	5116	2012	2878	8680	5619	2878	6538	5537	9593	4205

				T				T
5116	3845	6538	5810	7106	5810	3820	3820	7106

$4143 + 2963 = \boxed{} \rightarrow \boxed{T}$

$2954 + 2162 = \boxed{} \rightarrow \boxed{A}$

$1672 + 2173 = \boxed{} \rightarrow \boxed{L}$

$2819 + 2800 = \boxed{} \rightarrow \boxed{C}$

$3998 + 2540 = \boxed{} \rightarrow \boxed{E}$

$4648 + 4032 = \boxed{} \rightarrow \boxed{I}$

$3732 + 2135 = \boxed{} \rightarrow \boxed{W}$

$1703 + 2502 = \boxed{} \rightarrow \boxed{Y}$

$2183 + 1637 = \boxed{} \rightarrow \boxed{O}$

$1197 + 1681 = \boxed{} \rightarrow \boxed{K}$

$4091 + 2621 = \boxed{} \rightarrow \boxed{R}$

$2830 + 2980 = \boxed{} \rightarrow \boxed{F}$

$5717 + 3876 = \boxed{} \rightarrow \boxed{B}$

$2487 + 1962 = \boxed{} \rightarrow \boxed{G}$

$1343 + 669 = \boxed{} \rightarrow \boxed{S}$

$1504 + 2188 = \boxed{} \rightarrow \boxed{H}$

$2425 + 3112 = \boxed{} \rightarrow \boxed{D}$

Scratch space:

CLUE 3 Subtraction

The equipment manager counts the soccer balls. We subtract the missing ones from the starting stash to see what is gone.

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

T										T								
6199	7555	6523	8199	5224	7523	7523	2806	5224	2986	6199	4941	5224	4493	4493	6523	2610	1942	2986

								T		
2806	3070	6386	8723	6523	2806	7891	4613	6199	1942	4613

$10391 - 4192 = \boxed{} \rightarrow \boxed{T}$

$6887 - 4945 = \boxed{} \rightarrow \boxed{O}$

$8594 - 395 = \boxed{} \rightarrow \boxed{V}$

$7509 - 1123 = \boxed{} \rightarrow \boxed{Q}$

$9678 - 1787 = \boxed{} \rightarrow \boxed{K}$

$10410 - 1687 = \boxed{} \rightarrow \boxed{U}$

$7736 - 4930 = \boxed{} \rightarrow \boxed{A}$

$9443 - 4219 = \boxed{} \rightarrow \boxed{I}$

$6632 - 1691 = \boxed{} \rightarrow \boxed{R}$

$4674 - 61 = \boxed{} \rightarrow \boxed{Y}$

$4910 - 417 = \boxed{} \rightarrow \boxed{P}$

$5775 - 2789 = \boxed{} \rightarrow \boxed{N}$

$3874 - 804 = \boxed{} \rightarrow \boxed{S}$

$10122 - 2567 = \boxed{} \rightarrow \boxed{H}$

$8134 - 1611 = \boxed{} \rightarrow \boxed{E}$

$6402 - 3792 = \boxed{} \rightarrow \boxed{D}$

$12241 - 4718 = \boxed{} \rightarrow \boxed{L}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

We find practice cones set up in even rows. Multiplying the rows gives us the total number of drills the thief ran.

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

A																		
18	10	33	14	33	144	9	110	81	144	96	14	5	33	77	9	110	81	8

	A											
90	18	77	40	10	9	28	33	9	5	110	6	

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

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

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

$5 \times 1 = \square \rightarrow \text{U}$

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

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

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

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

$10 \times 4 = \square \rightarrow \text{O}$

$1 \times 8 = \square \rightarrow \text{P}$

$5 \times 2 = \square \rightarrow \text{N}$

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

$3 \times 3 = \square \rightarrow \text{T}$

$6 \times 1 = \square \rightarrow \text{F}$

$4 \times 7 = \square \rightarrow \text{H}$

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

Scratch space:

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

The team splits their orange slices evenly. We divide the snacks to see how many players were in the huddle.

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:

$108 \div 12 = \boxed{}$

$110 \div 10 = \boxed{}$

$12 \div 12 = \boxed{}$

$24 \div 3 = \boxed{}$

$18 \div 6 = \boxed{}$

$48 \div 4 = \boxed{}$

$44 \div 11 = \boxed{}$

$20 \div 10 = \boxed{}$

$63 \div 9 = \boxed{}$

$18 \div 3 = \boxed{}$

$40 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain launches a curving free kick, then rattles their squeaky shin guards.
2. The villain dribbles with a quick nutmeg, then checks their gps fitness tracker.
3. The villain dribbles with a quick nutmeg, then rattles their squeaky shin guards.
4. The villain performs a sudden bicycle kick, then waves their neon goalie gloves.
5. The villain performs a sudden bicycle kick, then rattles their squeaky shin guards.
6. The villain dribbles with a quick nutmeg, then polishes their golden captain armband.
7. The villain dribbles with a quick nutmeg, then waves their neon goalie gloves.
8. The villain scores with a header blast, then polishes their golden captain armband.
9. The villain fires a rocket volley, then flashes their light up cleats.
10. The villain dribbles with a quick nutmeg, then flashes their light up cleats.
11. The villain launches a curving free kick, then waves their neon goalie gloves.
12. The villain fires a rocket volley, then waves their neon goalie gloves.

Answer Key

The Case of the Missing Championship Trophy

Culprit: Cristiano Ronaldo

Nutmeg Dribble · Light Up Cleats · Left Footed Kicker · Electric Blue Headband · Squeaky Chew Toy

Trail: Start 21 → Clue 1 17 → Clue 2 13 → Clue 3 9 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE THIEF DOES NOT WEAR A GPS TRACKER"

Round 3,730 to the nearest hundred = 3700 (T) · Round 289 to the nearest ten = 290 (G) · Round 7,314 to the nearest thousand = 7000 (P) · Round 227 to the nearest ten = 230 (K) · Round 2,841 to the nearest thousand = 3000 (D) · Round 680 to the nearest hundred = 700 (W) · Round 1,096 to the nearest hundred = 1100 (R) · Round 2,320 to the nearest hundred = 2300 (E) · Round 2,899 to the nearest hundred = 2900 (A) · Round 8,868 to the nearest thousand = 9000 (O) · Round 2,443 to the nearest thousand = 2000 (C) · Round 434 to the nearest ten = 430 (I) · Round 23 to the nearest ten = 20 (N) · Round 71 to the nearest ten = 70 (F) · Round 91 to the nearest ten = 90 (S) · Round 4,283 to the nearest hundred = 4300 (H)

Clue 2 (Addition): "THE GRASS WAS KICKED BY A LEFT FOOT"

4143 + 2963 = 7106 (T) · 2954 + 2162 = 5116 (A) · 1672 + 2173 = 3845 (L) · 2819 + 2800 = 5619 (C) · 3998 + 2540 = 6538 (E) · 4648 + 4032 = 8680 (I) · 3732 + 2135 = 5867 (W) · 1703 + 2502 = 4205 (Y) · 2183 + 1637 = 3820 (O) · 1197 + 1681 = 2878 (K) · 4091 + 2621 = 6712 (R) · 2830 + 2980 = 5810 (F) · 5717 + 3876 = 9593 (B) · 2487 + 1962 = 4449 (G) · 1343 + 669 = 2012 (S) · 1504 + 2188 = 3692 (H) · 2425 + 3112 = 5537 (D)

Clue 3 (Subtraction): "THE VILLAIN TRIPPED ON A SQUEAKY TOY"

10391 - 4192 = 6199 (T) · 6887 - 4945 = 1942 (O) · 8594 - 395 = 8199 (V) · 7509 - 1123 = 6386 (Q) · 9678 - 1787 = 7891 (K) · 10410 - 1687 = 8723 (U) · 7736 - 4930 = 2806 (A) · 9443 - 4219 = 5224 (I) · 6632 - 1691 = 4941 (R) · 4674 - 61 = 4613 (Y) · 4910 - 417 = 4493 (P) · 5775 - 2789 = 2986 (N) · 3874 - 804 = 3070 (S) · 10122 - 2567 = 7555 (H) · 8134 - 1611 = 6523 (E) · 6402 - 3792 = 2610 (D) · 12241 - 4718 = 7523 (L)

Clue 4 (Multiplication facts (1-12)): "AN ELECTRIC BLUE STRIP WAS ON THE TURF"

$6 \times 3 = 18$ (A) · $12 \times 12 = 144$ (C) · $9 \times 9 = 81$ (I) · $5 \times 1 = 5$ (U) · $11 \times 7 = 77$ (S) · $7 \times 2 = 14$ (L) · $8 \times 12 = 96$ (B) · $3 \times 11 = 33$ (E) · $10 \times 4 = 40$ (O) · $1 \times 8 = 8$ (P) · $5 \times 2 = 10$ (N) · $11 \times 10 = 110$ (R) · $3 \times 3 = 9$ (T) · $6 \times 1 = 6$ (F) · $4 \times 7 = 28$ (H) · $10 \times 9 = 90$ (W)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → Cristiano Ronaldo

$108 \div 12 = 9$ · $110 \div 10 = 11$ · $12 \div 12 = 1$ · $24 \div 3 = 8$ · $18 \div 6 = 3$ · $48 \div 4 = 12$ · $44 \div 11 = 4$ · $20 \div 10 = 2$ · $63 \div 9 = 7$ · $18 \div 3 = 6$ · $40 \div 8 = 5$