



The Case of the Missing Golden Cleat

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

Detective: _____ Date: _____

The championship match is tonight, but the trophy room is in a panic! The legendary Golden Cleat trophy has disappeared right off its pedestal. Coach Sarah needs your help to find which player took it before kickoff!

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 Sneaky Striker is _____

Possible suspects

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

NAME	SIGNATURE SHOT	LUCKY GEAR	FAVORITE FOOT	HAIR STYLING	STAMINA DRAINER
Walker	Chip Shot	Striped Headband	Right Footed Kick	Braid With Ribbons	Squeaky Whistle
Kylian	Power Header	Gold Bootlaces	Left Footed Kick	Spiky Gel Mohawk	Heavy Rain
Sonny	Bicycle Kick	Grip Gloves	Left Footed Kick	Spiky Gel Mohawk	Squeaky Whistle
Sophia	Power Header	Striped Headband	Right Footed Kick	Spiky Gel Mohawk	Muddy Pitch
Wendie	Power Header	Neon Shin Guards	Left Footed Kick	Curly Ponytail	Heavy Rain
Kevin	Bicycle Kick	Smart Watch Tracker	Right Footed Kick	Spiky Gel Mohawk	Heavy Rain
Cristiano	Power Header	Striped Headband	Right Footed Kick	Curly Ponytail	Muddy Pitch
Bukayo	Curving Free Kick	Grip Gloves	Left Footed Kick	Spiky Gel Mohawk	Heavy Rain
Alex	Curving Free Kick	Striped Headband	Left Footed Kick	Spiky Gel Mohawk	Muddy Pitch
Jack	Power Header	Striped Headband	Right Footed Kick	Braid With Ribbons	Muddy Pitch
Leo	Chip Shot	Gold Bootlaces	Right Footed Kick	Braid With Ribbons	Muddy Pitch
Trinity	Bicycle Kick	Gold Bootlaces	Left Footed Kick	Spiky Gel Mohawk	Muddy Pitch
Jude	Power Header	Gold Bootlaces	Right Footed Kick	Spiky Gel Mohawk	Muddy Pitch
Christian	Bicycle Kick	Neon Shin Guards	Right Footed Kick	Braid With Ribbons	Muddy Pitch
Sam	Rapid Dribble	Grip Gloves	Left Footed Kick	Spiky Gel Mohawk	Squeaky Whistle
Rose	Bicycle Kick	Grip Gloves	Right Footed Kick	Spiky Gel Mohawk	Heavy Rain
Marta	Rapid Dribble	Striped Headband	Left Footed Kick	Braid With Ribbons	Muddy Pitch
Erling	Power Header	Smart Watch Tracker	Right Footed Kick	Curly Ponytail	Heavy Rain
Lauren	Chip Shot	Smart Watch Tracker	Right Footed Kick	Braid With Ribbons	Muddy Pitch
Megan	Bicycle Kick	Gold Bootlaces	Left Footed Kick	Braid With Ribbons	Heavy Rain
Chloe	Rapid Dribble	Neon Shin Guards	Right Footed Kick	Braid With Ribbons	Muddy Pitch

CLUE 1 Addition

Coach Sarah is counting up all the practice soccer balls on the rack. Help her add the soccer balls to find the first clue!

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

T			T											T			
3568	3309	2114	3568	3309	2991	2114	9333	4668	2876	2114	3665	9219	2876	3568	2902	3665	2114
				T				T			T						
3665	6881	5695	3881	3568	3729	5695	3568	6068	3309	3568	3881	5695	6068	2894	2114	3881	

$2415 + 1153 = \square \rightarrow$ T	$1904 + 2764 = \square \rightarrow$ D	$2522 + 1359 = \square \rightarrow$ R
$2122 + 3573 = \square \rightarrow$ A	$1216 + 898 = \square \rightarrow$ E	$3771 + 5448 = \square \rightarrow$ N
$1718 + 1158 = \square \rightarrow$ O	$1159 + 1743 = \square \rightarrow$ U	$2046 + 945 = \square \rightarrow$ I
$3977 + 5356 = \square \rightarrow$ F	$1114 + 1780 = \square \rightarrow$ K	$2928 + 3140 = \square \rightarrow$ C
$1311 + 1998 = \square \rightarrow$ H	$2565 + 1164 = \square \rightarrow$ W	$2182 + 1483 = \square \rightarrow$ S
$4505 + 2376 = \square \rightarrow$ M		

Scratch space:

CLUE 2 Subtraction

Some neon cones went missing from the field. Subtract the lost cones from the total pile to discover the next clue.

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

R													R			
1276	8811	6167	1592	3909	5769	7370	7370	3909	8827	8098	6167	1276	3563	6642	6642	

6642	1199	6822	5769	5769	6642	5769	7370	6822	4014	8098	4437	5645

6167	7370	3563	8808	5091	7370	6642	3909

$2670 - 1394 = \div \rightarrow \boxed{R}$	$3711 - 2119 = \div \rightarrow \boxed{H}$	$6432 - 1341 = \div \rightarrow \boxed{P}$
$7365 - 1596 = \div \rightarrow \boxed{F}$	$12743 - 4645 = \div \rightarrow \boxed{D}$	$9675 - 2305 = \div \rightarrow \boxed{O}$
$13423 - 4615 = \div \rightarrow \boxed{L}$	$4924 - 910 = \div \rightarrow \boxed{N}$	$10628 - 3986 = \div \rightarrow \boxed{S}$
$6841 - 674 = \div \rightarrow \boxed{G}$	$9623 - 796 = \div \rightarrow \boxed{E}$	$7242 - 1597 = \div \rightarrow \boxed{Y}$
$13785 - 4974 = \div \rightarrow \boxed{I}$	$8424 - 4861 = \div \rightarrow \boxed{A}$	$7795 - 3358 = \div \rightarrow \boxed{B}$
$6523 - 2614 = \div \rightarrow \boxed{T}$	$10412 - 3590 = \div \rightarrow \boxed{U}$	$4998 - 3799 = \div \rightarrow \boxed{C}$

Scratch space:

CLUE 3

Multiplication facts (1-12)

The team is setting up rows of water bottles for the big match. Multiply the rows of bottles to unlock the third clue.

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

T											
10	27	35	21	55	60	32	36	36	35	100	

				T			T						T						
33	25	64	55	10	45	64	10	60	21	32	64	10	27	35	1	49	100	100	21

		T		
36	32	10	33	27

$10 \times 1 = \square \rightarrow \boxed{\text{T}}$

$8 \times 8 = \square \rightarrow \boxed{\text{N}}$

$11 \times 3 = \square \rightarrow \boxed{\text{C}}$

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

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

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

$5 \times 9 = \square \rightarrow \boxed{\text{A}}$

$6 \times 10 = \square \rightarrow \boxed{\text{L}}$

$7 \times 7 = \square \rightarrow \boxed{\text{U}}$

$3 \times 7 = \square \rightarrow \boxed{\text{Y}}$

$12 \times 3 = \square \rightarrow \boxed{\text{P}}$

$10 \times 10 = \square \rightarrow \boxed{\text{D}}$

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

$9 \times 3 = \square \rightarrow \boxed{\text{H}}$

$4 \times 8 = \square \rightarrow \boxed{\text{I}}$

Scratch space:

CLUE 4 Rounding

The giant stadium scoreboard is showing an estimated crowd count. Round the spectator number to find the fourth clue.

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

A			A													
1300	700	290	1300	2900	430	20	2900	200	90	290	2900	700	700	170	2000	70
			A				A									
70	200	290	1300	2000	430	20	1300	70	430	2900	70	1100	170	110	5000	290

Round 1,260 to the nearest hundred

→ **A**

Round 433 to the nearest ten

→ **D**

Round 211 to the nearest hundred

→ **T**

Round 1,101 to the nearest hundred

→ **C**

Round 701 to the nearest hundred

→ **B**

Round 2,933 to the nearest hundred

→ **I**

Round 170 to the nearest ten

→ **O**

Round 90 to the nearest ten

→ **H**

Round 108 to the nearest ten

→ **V**

Round 24 to the nearest ten

→ **W**

Round 288 to the nearest ten

→ **R**

Round 66 to the nearest ten

→ **S**

Round 4,591 to the nearest thousand

→ **E**

Round 2,469 to the nearest thousand

→ **N**

Scratch space:

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

The players are sharing delicious orange slices at halftime. Divide the healthy snacks evenly to solve the final 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:

$90 \div 9 = \boxed{}$

$8 \div 8 = \boxed{}$

$24 \div 12 = \boxed{}$

$18 \div 6 = \boxed{}$

$33 \div 3 = \boxed{}$

$8 \div 2 = \boxed{}$

$35 \div 7 = \boxed{}$

$45 \div 5 = \boxed{}$

$42 \div 7 = \boxed{}$

$63 \div 9 = \boxed{}$

$48 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain leaps for a power header, then adjusts their striped headband.
2. The villain performs a bicycle kick, then flashes their neon shin guards.
3. The villain swerves a curving free kick, then flashes their neon shin guards.
4. The villain lofts a delicate chip shot, then checks their smart watch tracker.
5. The villain leaps for a power header, then checks their smart watch tracker.
6. The villain leaps for a power header, then tightens their grip gloves.
7. The villain leaps for a power header, then ties up their gold bootlaces.
8. The villain zips past defenders with a rapid dribble, then checks their smart watch tracker.
9. The villain lofts a delicate chip shot, then tightens their grip gloves.
10. The villain zips past defenders with a rapid dribble, then flashes their neon shin guards.
11. The villain swerves a curving free kick, then adjusts their striped headband.
12. The villain lofts a delicate chip shot, then ties up their gold bootlaces.

Answer Key

The Case of the Missing Golden Cleat

Culprit: Leo

Chip Shot · Gold Bootlaces · Right Footed Kick · Braid With Ribbons · Muddy Pitch

Trail: Start 21 → Clue 1 18 → Clue 2 9 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE THIEF DOES NOT USE SMART WATCH TRACKER"

$2415 + 1153 = 3568$ (T) · $1904 + 2764 = 4668$ (D) · $2522 + 1359 = 3881$ (R) · $2122 + 3573 = 5695$ (A) · $1216 + 898 = 2114$ (E) · $3771 + 5448 = 9219$ (N) · $1718 + 1158 = 2876$ (O) · $1159 + 1743 = 2902$ (U) · $2046 + 945 = 2991$ (I) · $3977 + 5356 = 9333$ (F) · $1114 + 1780 = 2894$ (K) · $2928 + 3140 = 6068$ (C) · $1311 + 1998 = 3309$ (H) · $2565 + 1164 = 3729$ (W) · $2182 + 1483 = 3665$ (S) · $4505 + 2376 = 6881$ (M)

Clue 2 (Subtraction): "RIGHT FOOTED GRASS SCUFFS FOUND BY GOALPOST"

$2670 - 1394 = 1276$ (R) · $3711 - 2119 = 1592$ (H) · $6432 - 1341 = 5091$ (P) · $7365 - 1596 = 5769$ (F) · $12743 - 4645 = 8098$ (D) · $9675 - 2305 = 7370$ (O) · $13423 - 4615 = 8808$ (L) · $4924 - 910 = 4014$ (N) · $10628 - 3986 = 6642$ (S) · $6841 - 674 = 6167$ (G) · $9623 - 796 = 8827$ (E) · $7242 - 1597 = 5645$ (Y) · $13785 - 4974 = 8811$ (I) · $8424 - 4861 = 3563$ (A) · $7795 - 3358 = 4437$ (B) · $6523 - 2614 = 3909$ (T) · $10412 - 3590 = 6822$ (U) · $4998 - 3799 = 1199$ (C)

Clue 3 (Multiplication facts (1-12)): "THEY SLIPPED CONSTANTLY IN THE MUDDY PITCH"

$10 \times 1 = 10$ (T) · $8 \times 8 = 64$ (N) · $11 \times 3 = 33$ (C) · $5 \times 11 = 55$ (S) · $5 \times 5 = 25$ (O) · $1 \times 1 = 1$ (M) · $5 \times 9 = 45$ (A) · $6 \times 10 = 60$ (L) · $7 \times 7 = 49$ (U) · $3 \times 7 = 21$ (Y) · $12 \times 3 = 36$ (P) · $10 \times 10 = 100$ (D) · $5 \times 7 = 35$ (E) · $9 \times 3 = 27$ (H) · $4 \times 8 = 32$ (I)

Clue 4 (Rounding): "A BRAID WITH RIBBONS STRAND WAS DISCOVERED"

Round 1,260 to the nearest hundred = 1300 (A) · Round 433 to the nearest ten = 430 (D) · Round 211 to the nearest hundred = 200 (T) · Round 1,101 to the nearest hundred = 1100 (C) · Round 701 to the nearest hundred = 700 (B) · Round 2,933 to the nearest hundred = 2900 (I) · Round 170 to the nearest ten = 170 (O) · Round 90 to the nearest ten = 90 (H) · Round 108 to the nearest ten = 110 (V) · Round 24 to the nearest ten = 20 (W) · Round 288 to the nearest ten = 290 (R) · Round 66 to the nearest ten = 70 (S) · Round 4,591 to the nearest thousand = 5000 (E) · Round 2,469 to the nearest thousand = 2000 (N)

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

$90 \div 9 = 10$ · $8 \div 8 = 1$ · $24 \div 12 = 2$ · $18 \div 6 = 3$ · $33 \div 3 = 11$ · $8 \div 2 = 4$ · $35 \div 7 = 5$ · $45 \div 5 = 9$ · $42 \div 7 = 6$ · $63 \div 9 = 7$ · $48 \div 6 = 8$