



The Golden Soccer Cup Mystery

Grade 2 math · Place value, Addition, Subtraction, Skip counting, Missing addends · Reading level grades 1-2

Detective: _____ Date: _____

The big match is today, but someone took the championship golden cup! Coach Leo needs your help to find the sneaker on the team and get the trophy back.

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 cup snatcher is _____

Possible suspects

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

NAME	FAVORITE KICK	GEAR CHOICE	KICKING FOOT	HAIR COLOR	DISTRACTION
Jack Grealish	Rainbow Flick	Padded Shin Guards	Right Footed	Red Hair	Loud Whistles
Lionel Messi	Rocket Strike	Golden Socks	Left Footed	Black Hair	Loud Whistles
Phil Foden	Rainbow Flick	Grip Gloves	Right Footed	Black Hair	Loud Whistles
Cristiano Ronaldo	Rainbow Flick	Grip Gloves	Left Footed	Red Hair	Loud Whistles
Marta Vieira	Rainbow Flick	Grip Gloves	Right Footed	Blonde Hair	Squeaky Toys
Megan Rapinoe	Bicycle Kick	Neon Cleats	Right Footed	Black Hair	Loud Whistles
Alex Morgan	Header Pass	Golden Socks	Left Footed	Red Hair	Shiny Confetti
Trinity Rodman	Rainbow Flick	Grip Gloves	Right Footed	Red Hair	Shiny Confetti
Declan Rice	Rocket Strike	Grip Gloves	Left Footed	Red Hair	Loud Whistles
Son Heungmin	Rocket Strike	Grip Gloves	Right Footed	Red Hair	Loud Whistles
Diego Maradona	Curve Ball	Golden Socks	Left Footed	Red Hair	Loud Whistles
Lucy Bronze	Rocket Strike	Grip Gloves	Left Footed	Red Hair	Squeaky Toys
Carli Lloyd	Curve Ball	Grip Gloves	Left Footed	Red Hair	Loud Whistles
Mia Hamm	Curve Ball	Speed Headband	Right Footed	Red Hair	Loud Whistles
Luka Modric	Rocket Strike	Golden Socks	Left Footed	Blonde Hair	Shiny Confetti
Erling Haaland	Curve Ball	Neon Cleats	Right Footed	Red Hair	Loud Whistles
Cole Palmer	Header Pass	Padded Shin Guards	Left Footed	Black Hair	Squeaky Toys
Kylian Mbappe	Header Pass	Golden Socks	Left Footed	Blonde Hair	Shiny Confetti
Sam Kerr	Rainbow Flick	Speed Headband	Right Footed	Red Hair	Loud Whistles
Harry Kane	Bicycle Kick	Padded Shin Guards	Left Footed	Black Hair	Shiny Confetti
Aitana Bonmati	Rocket Strike	Golden Socks	Right Footed	Red Hair	Shiny Confetti

CLUE 1 Place value

Coach Leo reads the place value digits on the field clock to unlock a clue.

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

T												T				
56	96	15	34	75	15	95	88	36	34	75	95	56	51	96	15	20

						T										
85	52	15	34	75	52	56	50	15	95	20	34	96	57	75		

99	92	95	20	85	34

What number has 5 tens and 6 ones? → **T**

What number has 7 tens and 5 ones? → **N**

What number has 5 tens and 0 ones? → **W**

What number has 5 tens and 2 ones? → **O**

What number has 5 tens and 7 ones? → **I**

What number has 8 tens and 8 ones? → **K**

What number has 9 tens and 2 ones? → **U**

What number has 2 tens and 0 ones? → **R**

What number has 9 tens and 6 ones? → **H**

What number has 8 tens and 5 ones? → **D**

What number has 1 ten and 5 ones? → **E**

What number has 9 tens and 5 ones? → **A**

What number has 9 tens and 9 ones? → **G**

What number has 3 tens and 4 ones? → **S**

What number has 5 tens and 1 one? → **C**

What number has 3 tens and 6 ones? → **Y**

Scratch space:

CLUE 2

Addition

Coach Leo adds up all the practice balls to find another secret code.

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

R													R					
32	25	84	34	98	49	35	35	98	33	46	42	32	25	73	98	88		
		R									R							
81	33	32	33	53	33	49	98	73	33	82	32	98	34	33	73	33	98	

$12 + 20 = \square \rightarrow \boxed{\text{R}}$

$32 + 49 = \square \rightarrow \boxed{\text{W}}$

$27 + 19 = \square \rightarrow \boxed{\text{D}}$

$55 + 27 = \square \rightarrow \boxed{\text{A}}$

$24 + 9 = \square \rightarrow \boxed{\text{E}}$

$25 + 17 = \square \rightarrow \boxed{\text{P}}$

$35 + 18 = \square \rightarrow \boxed{\text{L}}$

$66 + 32 = \square \rightarrow \boxed{\text{T}}$

$15 + 34 = \square \rightarrow \boxed{\text{F}}$

$35 + 49 = \square \rightarrow \boxed{\text{G}}$

$11 + 23 = \square \rightarrow \boxed{\text{H}}$

$32 + 56 = \square \rightarrow \boxed{\text{S}}$

$22 + 13 = \square \rightarrow \boxed{\text{O}}$

$7 + 18 = \square \rightarrow \boxed{\text{I}}$

$46 + 27 = \square \rightarrow \boxed{\text{N}}$

Scratch space:

CLUE 3

Subtraction

Coach Leo subtracts the broken cones from the pile to reveal a note.

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

L										L									
15	32	31	66	46	84	65	67	74	15	56	67	67	74	32	53	53	56	66	
												L							
74	84	56	67	64	56	59	14	65	64	53	15	59	22	56					

$25 - 10 = \square \rightarrow \boxed{\text{L}}$

$109 - 35 = \square \rightarrow \boxed{\text{T}}$

$81 - 35 = \square \rightarrow \boxed{\text{W}}$

$33 - 19 = \square \rightarrow \boxed{\text{K}}$

$37 - 6 = \square \rightarrow \boxed{\text{U}}$

$61 - 2 = \square \rightarrow \boxed{\text{A}}$

$119 - 35 = \square \rightarrow \boxed{\text{H}}$

$97 - 30 = \square \rightarrow \boxed{\text{S}}$

$46 - 14 = \square \rightarrow \boxed{\text{O}}$

$85 - 32 = \square \rightarrow \boxed{\text{P}}$

$70 - 14 = \square \rightarrow \boxed{\text{E}}$

$83 - 18 = \square \rightarrow \boxed{\text{I}}$

$78 - 14 = \square \rightarrow \boxed{\text{N}}$

$23 - 1 = \square \rightarrow \boxed{\text{C}}$

$71 - 5 = \square \rightarrow \boxed{\text{D}}$

Scratch space:

CLUE 4

Skip counting

Coach Leo skip counts the water bottles on the bench to find a hidden clue.

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

R						R											
40	130	60	90	42	65	40	45	42	80	16	28	22	70	60	28	70	
				R													
9	90	130	9	40	28	110	90	10	24	42	80	130					

Skip-count by 10s. Fill the blank: 10, 20, 30, __, 50, 60 → **R**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 → **P**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **E**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 → **F**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, __, 70, 80 → **D**

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **T**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 → **Y**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90 → **N**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 → **H**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 → **C**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 → **A**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 → **O**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 → **W**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 → **S**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 → **U**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **I**

Scratch space:

CLUE 5**Missing addends - the last clue**

Coach Leo solves the missing number problem on the clipboard to get 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:

$9 + \underline{\quad} = 17$

$6 + \underline{\quad} = 8$

$2 + \underline{\quad} = 5$

$9 + \underline{\quad} = 21$

$3 + \underline{\quad} = 8$

$6 + \underline{\quad} = 15$

$10 + \underline{\quad} = 17$

$6 + \underline{\quad} = 12$

$4 + \underline{\quad} = 5$

$7 + \underline{\quad} = 18$

$8 + \underline{\quad} = 12$

Step 2 - cross out the sentence with each answer:

1. The villain used a bicycle kick, then strapped on padded shin guards.
2. The villain curved the ball, then tied a speed headband.
3. The villain shot a rocket strike, then put on grip gloves.
4. The villain did a rainbow flick, then strapped on padded shin guards.
5. The villain shot a rocket strike, then laced up neon cleats.
6. The villain curved the ball, then strapped on padded shin guards.
7. The villain shot a rocket strike, then tied a speed headband.
8. The villain curved the ball, then laced up neon cleats.
9. The villain made a header pass, then pulled up golden socks.
10. The villain did a rainbow flick, then tied a speed headband.
11. The villain shot a rocket strike, then pulled up golden socks.
12. The villain did a rainbow flick, then pulled up golden socks.

Answer Key

The Golden Soccer Cup Mystery

Culprit: Sam Kerr

Rainbow Flick · Speed Headband · Right Footed · Red Hair · Loud Whistles

Trail: Start 21 → Clue 1 18 → Clue 2 9 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE SNEAKY SNATCHER DOES NOT WEAR SHIN GUARDS"

What number has 5 tens and 6 ones? = 56 (T) · What number has 7 tens and 5 ones? = 75 (N) · What number has 5 tens and 0 ones? = 50 (W) · What number has 5 tens and 2 ones? = 52 (O) · What number has 5 tens and 7 ones? = 57 (I) · What number has 8 tens and 8 ones? = 88 (K) · What number has 9 tens and 2 ones? = 92 (U) · What number has 2 tens and 0 ones? = 20 (R) · What number has 9 tens and 6 ones? = 96 (H) · What number has 8 tens and 5 ones? = 85 (D) · What number has 1 ten and 5 ones? = 15 (E) · What number has 9 tens and 5 ones? = 95 (A) · What number has 9 tens and 9 ones? = 99 (G) · What number has 3 tens and 4 ones? = 34 (S) · What number has 5 tens and 1 one? = 51 (C) · What number has 3 tens and 6 ones? = 36 (Y)

Clue 2 (Addition): "RIGHT FOOTED PRINTS WERE LEFT NEAR THE NET"

$12 + 20 = 32$ (R) · $32 + 49 = 81$ (W) · $27 + 19 = 46$ (D) · $55 + 27 = 82$ (A) · $24 + 9 = 33$ (E) · $25 + 17 = 42$ (P) · $35 + 18 = 53$ (L) · $66 + 32 = 98$ (T) · $15 + 34 = 49$ (F) · $35 + 49 = 84$ (G) · $11 + 23 = 34$ (H) · $32 + 56 = 88$ (S) · $22 + 13 = 35$ (O) · $7 + 18 = 25$ (I) · $46 + 27 = 73$ (N)

Clue 3 (Subtraction): "LOUD WHISTLES STOPPED THE SNEAK IN PLACE"

$25 - 10 = 15$ (L) · $109 - 35 = 74$ (T) · $81 - 35 = 46$ (W) · $33 - 19 = 14$ (K) · $37 - 6 = 31$ (U) · $61 - 2 = 59$ (A) · $119 - 35 = 84$ (H) · $97 - 30 = 67$ (S) · $46 - 14 = 32$ (O) · $85 - 32 = 53$ (P) · $70 - 14 = 56$ (E) · $83 - 18 = 65$ (I) · $78 - 14 = 64$ (N) · $23 - 1 = 22$ (C) · $71 - 5 = 66$ (D)

Clue 4 (Skip counting): "RED HAIR WAS FOUND ON THE TROPHY CASE"

Skip-count by 10s. Fill the blank: 10, 20, 30, __, 50, 60 = 40 (R) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (P) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (F) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, __, 70, 80 = 60 (D) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (T) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (Y) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90 = 70 (N) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (H) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 = 24 (C) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (O) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (W) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (U) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (I)

Clue 5 (Missing addends): surviving statement is box 10 → Sam Kerr

$9 + \underline{\quad} = 17 = 8$ · $6 + \underline{\quad} = 8 = 2$ · $2 + \underline{\quad} = 5 = 3$ · $9 + \underline{\quad} = 21 = 12$ · $3 + \underline{\quad} = 8 = 5$ · $6 + \underline{\quad} = 15 = 9$ · $10 + \underline{\quad} = 17 = 7$ · $6 + \underline{\quad} = 12 = 6$ · $4 + \underline{\quad} = 5 = 1$ · $7 + \underline{\quad} = 18 = 11$ · $8 + \underline{\quad} = 12 = 4$