



The Great Soccer Trophy Mystery

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

Detective: _____ Date: _____

The golden championship trophy has vanished right before the big soccer final! The team mascot needs your detective skills to inspect the field and find the villain.

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 Thief 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	SPECIAL GEAR	KICKING FOOT	HAIRSTYLE	WEAKNESS
Sam Kerr	Curve Shot	Cleat Boost	Left Footed	Buzz Cut	Loud Whistles
Harry Kane	Turbo Kick	Cleat Boost	Left Footed	Curly Hair	Loud Whistles
Chloe Kelly	Power Tackle	Glow Gloves	Left Footed	Buzz Cut	Loud Whistles
Marta Silva	Turbo Kick	Speed Socks	Left Footed	Buzz Cut	Loud Whistles
Alex Morgan	Shield Dribble	Shin Guard Shield	Left Footed	Buzz Cut	Loud Whistles
Christian Pulisic	Turbo Kick	Shin Guard Shield	Left Footed	Curly Hair	Sticky Mud
Jude Bellingham	Turbo Kick	Glow Gloves	Right Footed	Spiky Hair	Bright Lights
Alphonso Davies	Shield Dribble	Golden Whistle	Left Footed	Buzz Cut	Loud Whistles
Kylian Mbappe	Shield Dribble	Shin Guard Shield	Left Footed	Buzz Cut	Bright Lights
Erling Haaland	Mega Pass	Golden Whistle	Right Footed	Buzz Cut	Loud Whistles
Rose Lavelle	Mega Pass	Cleat Boost	Left Footed	Spiky Hair	Loud Whistles
Mohamed Salah	Curve Shot	Glow Gloves	Left Footed	Spiky Hair	Bright Lights
Neymar Jr	Turbo Kick	Glow Gloves	Left Footed	Buzz Cut	Bright Lights
Trinity Rodman	Power Tackle	Glow Gloves	Left Footed	Buzz Cut	Sticky Mud
Virgil van Dijk	Power Tackle	Glow Gloves	Right Footed	Spiky Hair	Bright Lights
Son Heungmin	Power Tackle	Speed Socks	Right Footed	Spiky Hair	Bright Lights
Marcus Rashford	Shield Dribble	Golden Whistle	Right Footed	Curly Hair	Loud Whistles
Megan Rapinoe	Shield Dribble	Golden Whistle	Right Footed	Buzz Cut	Bright Lights
Cristiano Ronaldo	Curve Shot	Golden Whistle	Right Footed	Buzz Cut	Bright Lights
Manuel Neuer	Power Tackle	Shin Guard Shield	Right Footed	Spiky Hair	Bright Lights
Lionel Messi	Curve Shot	Cleat Boost	Right Footed	Buzz Cut	Loud Whistles

CLUE 1 Addition

You tally up all the soccer balls left on the field to decode the first clue.

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

T																		
4	16	19	14	3	19	17	10	6	7	13	17	6	19	20	8	11	19	14
		T																
3	11	4	5	19	17	20	14	7	19	19	8	14	11	12	10	14		

$1 + 3 = \square \rightarrow$ T	$5 + 9 = \square \rightarrow$ S	$7 + 4 = \square \rightarrow$ O	$7 + 9 = \square \rightarrow$ H
$3 + 10 = \square \rightarrow$ L	$13 + 7 = \square \rightarrow$ R	$6 + 13 = \square \rightarrow$ E	
$7 + 3 = \square \rightarrow$ K	$4 + 1 = \square \rightarrow$ W	$5 + 1 = \square \rightarrow$ Y	$7 + 5 = \square \rightarrow$ C
$2 + 1 = \square \rightarrow$ N	$2 + 6 = \square \rightarrow$ D	$2 + 5 = \square \rightarrow$ P	$7 + 10 = \square \rightarrow$ A

Scratch space:

CLUE 2

Subtraction

You count how many cones are missing from practice to reveal a hint.

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

W												W					
16	8	4	10	9	3	3	9	3	3	13	16	13	19	9	2	4	
2	12	12	4	9	17	7	8	15	7	12	10	2	8	9	19	17	

$18 - 2 = \square \rightarrow \boxed{\text{W}}$

$9 - 6 = \square \rightarrow \boxed{\text{S}}$

$8 - 6 = \square \rightarrow \boxed{\text{F}}$

$20 - 3 = \square \rightarrow \boxed{\text{D}}$

$18 - 6 = \square \rightarrow \boxed{\text{O}}$

$17 - 9 = \square \rightarrow \boxed{\text{I}}$

$18 - 8 = \square \rightarrow \boxed{\text{N}}$

$6 - 2 = \square \rightarrow \boxed{\text{T}}$

$20 - 7 = \square \rightarrow \boxed{\text{A}}$

$17 - 2 = \square \rightarrow \boxed{\text{C}}$

$20 - 1 = \square \rightarrow \boxed{\text{L}}$

$10 - 1 = \square \rightarrow \boxed{\text{E}}$

$15 - 8 = \square \rightarrow \boxed{\text{K}}$

Scratch space:

CLUE 3 Skip counting

You count the cleat prints by twos along the sideline to find the next lead.

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

T																	
8	27	36	110	21	10	60	22	36	50	45	36	18	10	60	21	50	18
				T			T			T			T				
26	27	22	45	8	60	36	8	21	45	8	21	12	8	27	36	14	

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 → **T**

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 → **E**

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 → **P**

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 → **M**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 → **H**

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 → **W**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 →

Scratch space:

CLUE 4 Place value

You check the tens and ones on the stadium scoreboard to get a secret note.

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

B																	
93	21	89	89	67	21	73	35	69	19	51	17	69	25	86	78	92	73
74	96	73	35	78	67	74	51	96	78	51	92	86	69	46			

What number has 9 tens and 3 ones? → **B**

What number has 4 tens and 6 ones? → **G**

What number has 1 ten and 7 ones? → **W**

What number has 3 tens and 5 ones? → **H**

What number has 2 tens and 1 one? → **U**

What number has 1 ten and 9 ones? → **I**

What number has 6 tens and 7 ones? → **C**

What number has 7 tens and 3 ones? → **T**

What number has 7 tens and 4 ones? → **O**

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

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

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

What number has 8 tens and 6 ones? → **L**

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

What number has 7 tens and 8 ones? → **E**

What number has 8 tens and 9 ones? → **Z**

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

Scratch space:

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

You figure out how many water bottles are needed to fill the rack and unlock the final trace.

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:

$9 + \underline{\quad} = 20$

$6 + \underline{\quad} = 14$

$9 + \underline{\quad} = 10$

$4 + \underline{\quad} = 16$

$9 + \underline{\quad} = 14$

$10 + \underline{\quad} = 16$

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

$3 + \underline{\quad} = 12$

$3 + \underline{\quad} = 6$

$3 + \underline{\quad} = 10$

$8 + \underline{\quad} = 10$

Step 2 - cross out the sentence with each answer:

1. The villain dribbled through the whole defense, then ran off with the coach whistle.
2. The villain tackled the ball away in midair, then hid the match ball inside a gym bag.
3. The villain dribbled through the whole defense, then zipped away with the golden soccer shoe.
4. The villain passed the ball across the whole field, then hid the match ball inside a gym bag.
5. The villain passed the ball across the whole field, then took the team victory banner.
6. The villain passed the ball across the whole field, then zipped away with the golden soccer shoe.
7. The villain tackled the ball away in midair, then zipped away with the golden soccer shoe.
8. The villain tackled the ball away in midair, then took the team victory banner.
9. The villain curved the ball around the goalie, then ran off with the coach whistle.
10. The villain dribbled through the whole defense, then hid the match ball inside a gym bag.
11. The villain curved the ball around the goalie, then stole the golden championship trophy.
12. The villain curved the ball around the goalie, then hid the match ball inside a gym bag.

Answer Key

The Great Soccer Trophy Mystery

Culprit: Alex Morgan

Shield Dribble · Shin Guard Shield · Left Footed · Buzz Cut · Loud Whistles

Trail: Start 21 → Clue 1 19 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY PLAYER DOES NOT WEAR SPEED SOCKS"

$1 + 3 = 4$ (T) · $5 + 9 = 14$ (S) · $7 + 4 = 11$ (O) · $7 + 9 = 16$ (H) · $3 + 10 = 13$ (L) · $13 + 7 = 20$ (R) · $6 + 13 = 19$ (E) · $7 + 3 = 10$ (K) · $4 + 1 = 5$ (W) · $5 + 1 = 6$ (Y) · $7 + 5 = 12$ (C) · $2 + 1 = 3$ (N) · $2 + 6 = 8$ (D) · $2 + 5 = 7$ (P) · $7 + 10 = 17$ (A)

Clue 2 (Subtraction): "WITNESSES SAW A LEFT FOOTED KICK ON FIELD"

$18 - 2 = 16$ (W) · $9 - 6 = 3$ (S) · $8 - 6 = 2$ (F) · $20 - 3 = 17$ (D) · $18 - 6 = 12$ (O) · $17 - 9 = 8$ (I) · $18 - 8 = 10$ (N) · $6 - 2 = 4$ (T) · $20 - 7 = 13$ (A) · $17 - 2 = 15$ (C) · $20 - 1 = 19$ (L) · $10 - 1 = 9$ (E) · $15 - 8 = 7$ (K)

Clue 3 (Skip counting): "THE GOALIE USED A LOUD WHISTLE TO STOP THEM"

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

Clue 4 (Place value): "BUZZ CUT HAIR WAS LEFT ON THE CORNER FLAG"

What number has 9 tens and 3 ones? = 93 (B) · What number has 4 tens and 6 ones? = 46 (G) · What number has 1 ten and 7 ones? = 17 (W) · What number has 3 tens and 5 ones? = 35 (H) · What number has 2 tens and 1 one? = 21 (U) · What number has 1 ten and 9 ones? = 19 (I) · What number has 6 tens and 7 ones? = 67 (C) · What number has 7 tens and 3 ones? = 73 (T) · What number has 7 tens and 4 ones? = 74 (O) · What number has 9 tens and 6 ones? = 96 (N) · What number has 6 tens and 9 ones? = 69 (A) · What number has 2 tens and 5 ones? = 25 (S) · What number has 8 tens and 6 ones? = 86 (L) · What number has 9 tens and 2 ones? = 92 (F) · What number has 7 tens and 8 ones? = 78 (E) · What number has 8 tens and 9 ones? = 89 (Z) · What number has 5 tens and 1 one? = 51 (R)

Clue 5 (Missing addends): surviving statement is box 10 → Alex Morgan

$9 + \underline{\quad} = 20 = 11$ · $6 + \underline{\quad} = 14 = 8$ · $9 + \underline{\quad} = 10 = 1$ · $4 + \underline{\quad} = 16 = 12$ · $9 + \underline{\quad} = 14 = 5$ · $10 + \underline{\quad} = 16 = 6$ · $8 + \underline{\quad} = 12 = 4$ · $3 + \underline{\quad} = 12 = 9$ · $3 + \underline{\quad} = 6 = 3$ · $3 + \underline{\quad} = 10 = 7$ · $8 + \underline{\quad} = 10 = 2$