



The Case of the Missing Golden Cup

Grade 2 math · Place value, Addition, Subtraction, Skip counting, Missing addends · Reading level grades 3-4

Detective: _____ **Date:** _____

The Golden Cup has vanished right before the big final match! The Head Referee is panicking. The pitch is covered in mysterious footprints, and one of the star players must be the culprit. Crack the clues and find the Soccer Sneak!

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 the Soccer Sneak 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	LUCKY GEAR	SHOOTING FOOT	HAIR STYLE	TACTICAL WEAKNESS
Jude Bellingham	Speed Dribble	Squeaky Goalie Gloves	Right Footed	Buzz Cut	Loud Whistles
Son Heungmin	Speed Dribble	Super Grip Socks	Left Footed	Buzz Cut	Slippery Grass
Lauren James	Bicycle Kick	Striped Headband	Left Footed	Spiky Mohawk	Loud Whistles
Sam Kerr	Bicycle Kick	Squeaky Goalie Gloves	Right Footed	Buzz Cut	Loud Whistles
Aitana Bonmati	Power Header	Squeaky Goalie Gloves	Right Footed	Curly Ponytail	Loud Whistles
Lucy Bronze	Speed Dribble	Super Grip Socks	Right Footed	Spiky Mohawk	Double Teaming
Kevin De Bruyne	Curving Free Kick	Gold Shin Guards	Right Footed	Curly Ponytail	Loud Whistles
Alisson Becker	Nutmeg Pass	Striped Headband	Right Footed	Buzz Cut	Loud Whistles
Yassine Bounou	Nutmeg Pass	Squeaky Goalie Gloves	Left Footed	Spiky Mohawk	Loud Whistles
Kylian Mbappe	Nutmeg Pass	Gold Shin Guards	Right Footed	Buzz Cut	Slippery Grass
Virgil van Dijk	Nutmeg Pass	Squeaky Goalie Gloves	Left Footed	Spiky Mohawk	Double Teaming
Cristiano Ronaldo	Nutmeg Pass	Gold Shin Guards	Right Footed	Curly Ponytail	Loud Whistles
Leo Messi	Bicycle Kick	Gold Shin Guards	Left Footed	Buzz Cut	Loud Whistles
Harry Kane	Power Header	Striped Headband	Right Footed	Curly Ponytail	Slippery Grass
Bukayo Saka	Power Header	Super Grip Socks	Right Footed	Buzz Cut	Loud Whistles
Chloe Kelly	Power Header	Squeaky Goalie Gloves	Right Footed	Buzz Cut	Loud Whistles
Alex Morgan	Nutmeg Pass	Squeaky Goalie Gloves	Left Footed	Buzz Cut	Loud Whistles
Marcus Rashford	Nutmeg Pass	Neon Cleats	Right Footed	Curly Ponytail	Double Teaming
Mo Salah	Curving Free Kick	Gold Shin Guards	Right Footed	Spiky Mohawk	Loud Whistles
Neymar Jr	Curving Free Kick	Squeaky Goalie Gloves	Right Footed	Curly Ponytail	Slippery Grass
Marta Vieira	Curving Free Kick	Striped Headband	Left Footed	Curly Ponytail	Loud Whistles

CLUE 1 Place value

The team manager is sorting a big crate of jerseys. Look at the digit in the tens place to find where the key is hidden.

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

T																T	
76	36	43	73	70	56	56	35	70	25	87	68	43	27	25	68	76	
19	43	35	47	27	74	75	43	47	55	47	70	75	27	68	86	49	27

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

What number has 2 tens and 7 ones? → **S**

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

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

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

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

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

What number has 4 tens and 9 ones? → **K**

What number has 5 tens and 5 ones? → **G**

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

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

What number has 7 tens and 0 ones? → **I**

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

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

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

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

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

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

Scratch space:

CLUE 2 Addition

We need to count all the orange practice cones and yellow training bibs. Add them together to see if we have enough for practice.

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

T																		
91	37	61	63	54	63	47	61	85	91	21	76	85	21	63				
58	43	76	44	29	34	27	76	91	37	91	37	61	52	76	65	37	91	T

$36 + 55 = \square \rightarrow$ T	$47 + 29 = \square \rightarrow$ I	$30 + 17 = \square \rightarrow$ P
$21 + 13 = \square \rightarrow$ Y	$13 + 14 = \square \rightarrow$ W	$31 + 21 = \square \rightarrow$ R
$28 + 16 = \square \rightarrow$ N	$27 + 36 = \square \rightarrow$ S	$17 + 12 = \square \rightarrow$ L
$18 + 19 = \square \rightarrow$ H	$16 + 38 = \square \rightarrow$ U	$28 + 33 = \square \rightarrow$ E
$39 + 26 = \square \rightarrow$ G	$17 + 41 = \square \rightarrow$ M	$8 + 13 = \square \rightarrow$ K
$26 + 17 = \square \rightarrow$ A	$55 + 30 = \square \rightarrow$ C	

Scratch space:

CLUE 3

Subtraction

The team had a big bag of match balls, but some rolled into the muddy bushes. Subtract the lost ones to find how many we have left.

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

A																	
50	11	55	66	76	53	54	48	16	20	11	77	85	11	55	53		
	A																
34	50	75	77	16	20	54	77	34	47	44	77	77	86	77			

$81 - 31 = \square \rightarrow \text{A}$

$79 - 32 = \square \rightarrow \text{F}$

$35 - 15 = \square \rightarrow \text{T}$

$124 - 39 = \square \rightarrow \text{B}$

$51 - 7 = \square \rightarrow \text{R}$

$35 - 1 = \square \rightarrow \text{M}$

$116 - 39 = \square \rightarrow \text{E}$

$81 - 26 = \square \rightarrow \text{O}$

$103 - 37 = \square \rightarrow \text{U}$

$63 - 9 = \square \rightarrow \text{H}$

$123 - 37 = \square \rightarrow \text{Z}$

$16 - 5 = \square \rightarrow \text{L}$

$85 - 32 = \square \rightarrow \text{W}$

$51 - 35 = \square \rightarrow \text{S}$

$79 - 3 = \square \rightarrow \text{D}$

$97 - 22 = \square \rightarrow \text{K}$

$64 - 16 = \square \rightarrow \text{I}$

Scratch space:

CLUE 4

The referee is counting the players by twos as they run onto the pitch. Skip count along with the whistle to keep the correct total.

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

18 10 26 22

10 45 12 26 45 12 26 8 22 60 10 33 8 18

9 30 28 28 80 30 18 10 45 35 8

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

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

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

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

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

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

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, , 36, 39 → **0**

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

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

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

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

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

Scratch space:

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

The team needs exactly twenty water bottles for the big game. Figure out how many more we must buy to fill the empty spots in the cooler.

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:

$6 + \underline{\quad} = 13$

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

$4 + \underline{\quad} = 15$

$8 + \underline{\quad} = 20$

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

$9 + \underline{\quad} = 11$

$5 + \underline{\quad} = 10$

$6 + \underline{\quad} = 16$

$2 + \underline{\quad} = 8$

$4 + \underline{\quad} = 13$

$3 + \underline{\quad} = 7$

Step 2 - cross out the sentence with each answer:

1. The villain slips a nutmeg pass, then adjusts their striped headband.
2. The villain bends a curving free kick, then waves their squeaky goalie gloves.
3. The villain bends a curving free kick, then adjusts their striped headband.
4. The villain blasts a speed dribble, then adjusts their striped headband.
5. The villain bends a curving free kick, then polishes their gold shin guards.
6. The villain slips a nutmeg pass, then tightens their super grip socks.
7. The villain blasts a speed dribble, then waves their squeaky goalie gloves.
8. The villain performs a bicycle kick, then waves their squeaky goalie gloves.
9. The villain bends a curving free kick, then tightens their super grip socks.
10. The villain scores with a power header, then adjusts their striped headband.
11. The villain scores with a power header, then waves their squeaky goalie gloves.
12. The villain blasts a speed dribble, then flashes their neon cleats.

Answer Key

The Case of the Missing Golden Cup

Culprit: Alisson Becker

Nutmeg Pass · Striped Headband · Right Footed · Buzz Cut · Loud Whistles

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT WEAR SUPER GRIP SOCKS"

What number has 7 tens and 6 ones? = 76 (T) · What number has 2 tens and 7 ones? = 27 (S) · What number has 7 tens and 4 ones? = 74 (U) · What number has 3 tens and 5 ones? = 35 (A) · What number has 6 tens and 8 ones? = 68 (O) · What number has 7 tens and 5 ones? = 75 (P) · What number has 7 tens and 3 ones? = 73 (V) · What number has 4 tens and 9 ones? = 49 (K) · What number has 5 tens and 5 ones? = 55 (G) · What number has 3 tens and 6 ones? = 36 (H) · What number has 4 tens and 3 ones? = 43 (E) · What number has 7 tens and 0 ones? = 70 (I) · What number has 5 tens and 6 ones? = 56 (L) · What number has 8 tens and 7 ones? = 87 (D) · What number has 4 tens and 7 ones? = 47 (R) · What number has 2 tens and 5 ones? = 25 (N) · What number has 1 ten and 9 ones? = 19 (W) · What number has 8 tens and 6 ones? = 86 (C)

Clue 2 (Addition): "THE SUSPECT KICKS MAINLY WITH THE RIGHT"

$36 + 55 = 91$ (T) · $47 + 29 = 76$ (I) · $30 + 17 = 47$ (P) · $21 + 13 = 34$ (Y) · $13 + 14 = 27$ (W) · $31 + 21 = 52$ (R) · $28 + 16 = 44$ (N) · $27 + 36 = 63$ (S) · $17 + 12 = 29$ (L) · $18 + 19 = 37$ (H) · $16 + 38 = 54$ (U) · $28 + 33 = 61$ (E) · $39 + 26 = 65$ (G) · $17 + 41 = 58$ (M) · $8 + 13 = 21$ (K) · $26 + 17 = 43$ (A) · $55 + 30 = 85$ (C)

Clue 3 (Subtraction): "A LOUD WHISTLE BLOW MAKES THEM FREEZE"

$81 - 31 = 50$ (A) · $79 - 32 = 47$ (F) · $35 - 15 = 20$ (T) · $124 - 39 = 85$ (B) · $51 - 7 = 44$ (R) · $35 - 1 = 34$ (M) · $116 - 39 = 77$ (E) · $81 - 26 = 55$ (O) · $103 - 37 = 66$ (U) · $63 - 9 = 54$ (H) · $123 - 37 = 86$ (Z) · $16 - 5 = 11$ (L) · $85 - 32 = 53$ (W) · $51 - 35 = 16$ (S) · $79 - 3 = 76$ (D) · $97 - 22 = 75$ (K) · $64 - 16 = 48$ (I)

Clue 4 (Skip counting): "THEY HAVE A VERY SHORT BUZZ CUT HAIR"

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 = 18 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 = 35 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 = 12 (V) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (Z) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (R) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, __, 33, 36 = 30 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (C) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (O) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (A) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, __, 70, 80 = 60 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (Y) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (H) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (B)

Clue 5 (Missing addends): surviving statement is box 1 → Alisson Becker

$6 + \underline{\quad} = 13 = 7$ · $6 + \underline{\quad} = 14 = 8$ · $4 + \underline{\quad} = 15 = 11$ · $8 + \underline{\quad} = 20 = 12$ · $2 + \underline{\quad} = 5 = 3$ · $9 + \underline{\quad} = 11 = 2$ · $5 + \underline{\quad} = 10 = 5$ · $6 + \underline{\quad} = 16 = 10$ · $2 + \underline{\quad} = 8 = 6$ · $4 + \underline{\quad} = 13 = 9$ · $3 + \underline{\quad} = 7 = 4$