

The Case of the Missing Golden Cup

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

Detective: _____ **Date:** _____

Oh no! The shiny Golden Cup has vanished from the soccer tournament! The referee is sad. We need to find the Sneaky Striker who took it! Can you solve the math clues to save the championship 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 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 KICK	GOALIE GEAR	KICKING FOOT	HEADBAND COLOR	SILLY WEAKNESS
Sinclair	Invisible Dribble	Sticky Gloves	Left-Footed Kick	Neon Green Band	Squeaky Mascot Shoes
Putellas	Rocket Power Shot	Laser Goggles	Left-Footed Kick	Shiny Gold Band	Squeaky Mascot Shoes
Rapinoe	Super Bicycle Kick	Sticky Gloves	Left-Footed Kick	Neon Green Band	Smelly Grass Clippings
Modric	Rocket Power Shot	Jetpack Cleats	Left-Footed Kick	Neon Green Band	Smelly Grass Clippings
Ronaldo	Invisible Dribble	Jetpack Cleats	Left-Footed Kick	Shiny Gold Band	Smelly Grass Clippings
Earps	Curving Free Kick	Golden Boots	Right-Footed Kick	Shiny Gold Band	Loud Cheerleader Pom Poms
Neymar	Invisible Dribble	Sticky Gloves	Left-Footed Kick	Shiny Gold Band	Squeaky Mascot Shoes
Mbappe	Mega Header	Sticky Gloves	Left-Footed Kick	Neon Green Band	Squeaky Mascot Shoes
Kane	Curving Free Kick	Sticky Gloves	Right-Footed Kick	Neon Green Band	Smelly Grass Clippings
Bellingham	Curving Free Kick	Laser Goggles	Right-Footed Kick	Bright Orange Band	Squeaky Mascot Shoes
Haaland	Super Bicycle Kick	Sonic Whistle	Right-Footed Kick	Bright Orange Band	Loud Cheerleader Pom Poms
Kelly	Rocket Power Shot	Sonic Whistle	Left-Footed Kick	Neon Green Band	Squeaky Mascot Shoes
Popp	Curving Free Kick	Sticky Gloves	Right-Footed Kick	Neon Green Band	Squeaky Mascot Shoes
Saka	Super Bicycle Kick	Sticky Gloves	Left-Footed Kick	Bright Orange Band	Smelly Grass Clippings
Rashford	Invisible Dribble	Laser Goggles	Right-Footed Kick	Bright Orange Band	Squeaky Mascot Shoes
Salah	Mega Header	Laser Goggles	Left-Footed Kick	Neon Green Band	Squeaky Mascot Shoes
Mead	Rocket Power Shot	Jetpack Cleats	Right-Footed Kick	Bright Orange Band	Squeaky Mascot Shoes
Son	Mega Header	Sticky Gloves	Left-Footed Kick	Neon Green Band	Smelly Grass Clippings
Marta	Rocket Power Shot	Jetpack Cleats	Left-Footed Kick	Neon Green Band	Squeaky Mascot Shoes
Kerr	Super Bicycle Kick	Golden Boots	Right-Footed Kick	Bright Orange Band	Loud Cheerleader Pom Poms
Messi	Invisible Dribble	Sonic Whistle	Left-Footed Kick	Bright Orange Band	Squeaky Mascot Shoes

CLUE 1 Addition

Coach Tim is counting up the soccer balls to see how many got lost. Let us add the soccer balls in the bags to get our first clue!

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

T																			
14	6	9	10	5	9	19	4	8	17	3	13	13	19	3	5	11	18	9	10
		T													T				
5	18	14	12	10	9	19	10	18	5	3	15	20	6	3	10	14	13	9	

$9 + 5 = \square \rightarrow$ T	$4 + 5 = \square \rightarrow$ E	$3 + 10 = \square \rightarrow$ L	
$6 + 11 = \square \rightarrow$ V	$1 + 4 = \square \rightarrow$ N	$3 + 9 = \square \rightarrow$ U	$5 + 5 = \square \rightarrow$ S
$2 + 1 = \square \rightarrow$ I	$10 + 5 = \square \rightarrow$ C	$3 + 8 = \square \rightarrow$ D	$1 + 3 = \square \rightarrow$ K
$5 + 3 = \square \rightarrow$ Y	$13 + 7 = \square \rightarrow$ W	$13 + 5 = \square \rightarrow$ O	
$6 + 13 = \square \rightarrow$ A	$2 + 4 = \square \rightarrow$ H		

Scratch space:

CLUE 2 Subtraction

The team had shiny medals, but some fell out of the big box. Subtract the lost medals to see what clue we find next!

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

T						T				T					T			
12	3	1	10	1	14	12	14	15	15	12	18	6	11	7	12	19	8	13
						T												
13	1	1	7	5	9	12	3	1	17	15	8	10						

17 - 5 = → T	18 - 1 = → G	13 - 5 = → A	
20 - 7 = → S	20 - 1 = → W	10 - 9 = → E	
12 - 3 = → Y	9 - 2 = → N	19 - 1 = → P	20 - 5 = → O
19 - 9 = → L	10 - 7 = → H	20 - 6 = → F	
15 - 9 = → R	13 - 2 = → I	10 - 5 = → B	

Scratch space:

CLUE 3 Skip counting

Let us count the green cones by twos to find where the Sneaky Striker ran. Help count them to unlock the third clue!

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

S									S					S				S
22	36	21	9	80	28	20	35	80	22	15	140	100	22	25	140	9	22	
35	80	40	9	100	25	9	35	70	16	9	9	55	9					

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

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

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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 → **O**

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 → **H**

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 → **Z**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 → **C**

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 → **F**

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

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

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

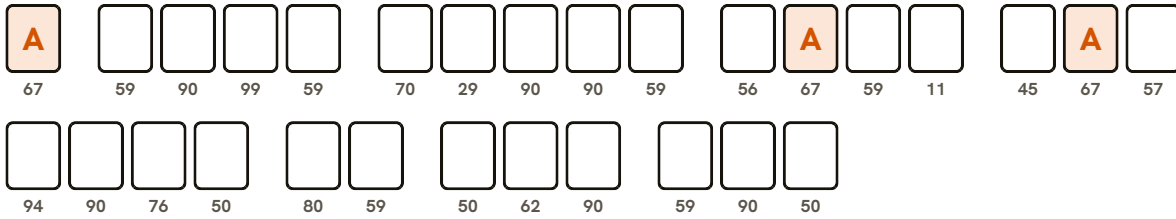
Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 → **U**

Scratch space:

CLUE 4 Place value

The giant scoreboard is blinking with tens and ones! Read the place value on the scoreboard to spot the fourth clue!

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



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

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

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

What number has 6 tens and 2 ones? → **H**

What number has 9 tens and 0 ones? → **E**

What number has 4 tens and 5 ones? → **W**

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

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

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

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

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

What number has 8 tens and 0 ones? → **I**

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

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

What number has 1 ten and 1 one? → **D**

Scratch space:

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

We need ten orange slices, but we only have six. Fill in the missing number of slices 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:

$7 + \underline{\quad} = 10$

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

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

$4 + \underline{\quad} = 10$

$9 + \underline{\quad} = 18$

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

$1 + \underline{\quad} = 11$

$10 + \underline{\quad} = 22$

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

$8 + \underline{\quad} = 16$

$4 + \underline{\quad} = 11$

Step 2 - cross out the sentence with each answer:

1. The villain leaps high for a mega header, then flashes shiny laser goggles.
2. The villain curves a wild free kick into the net, then flashes shiny laser goggles.
3. The villain fires a rocket power shot at the fence, then zooms off on jetpack cleats.
4. The villain leaps high for a mega header, then grabs the prize with sticky gloves.
5. The villain dribbles completely out of sight, then grabs the prize with sticky gloves.
6. The villain dribbles completely out of sight, then zooms off on jetpack cleats.
7. The villain curves a wild free kick into the net, then runs away in glowing golden boots.
8. The villain leaps high for a mega header, then blows a loud sonic whistle.
9. The villain does a super bicycle kick in midair, then blows a loud sonic whistle.
10. The villain curves a wild free kick into the net, then zooms off on jetpack cleats.
11. The villain does a super bicycle kick in midair, then flashes shiny laser goggles.
12. The villain fires a rocket power shot at the fence, then runs away in glowing golden boots.

Answer Key

The Case of the Missing Golden Cup

Culprit: Salah

Mega Header · Laser Goggles · Left-Footed Kick · Neon Green Band · Squeaky Mascot Shoes

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY VILLAIN DOES NOT USE A SONIC WHISTLE"

$9 + 5 = 14$ (T) · $4 + 5 = 9$ (E) · $3 + 10 = 13$ (L) · $6 + 11 = 17$ (V) · $1 + 4 = 5$ (N) · $3 + 9 = 12$ (U) · $5 + 5 = 10$ (S) · $2 + 1 = 3$ (I) · $10 + 5 = 15$ (C) · $3 + 8 = 11$ (D) · $1 + 3 = 4$ (K) · $5 + 3 = 8$ (Y) · $13 + 7 = 20$ (W) · $13 + 5 = 18$ (O) · $6 + 13 = 19$ (A) · $2 + 4 = 6$ (H)

Clue 2 (Subtraction): "THE LEFT FOOT PRINT WAS SEEN BY THE GOAL"

$17 - 5 = 12$ (T) · $18 - 1 = 17$ (G) · $13 - 5 = 8$ (A) · $20 - 7 = 13$ (S) · $20 - 1 = 19$ (W) · $10 - 9 = 1$ (E) · $12 - 3 = 9$ (Y) · $9 - 2 = 7$ (N) · $19 - 1 = 18$ (P) · $20 - 5 = 15$ (O) · $19 - 9 = 10$ (L) · $10 - 7 = 3$ (H) · $20 - 6 = 14$ (F) · $15 - 9 = 6$ (R) · $13 - 2 = 11$ (I) · $10 - 5 = 5$ (B)

Clue 3 (Skip counting): "SQUEAKY MASCOT SHOES MADE THEM FREEZE"

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (S) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 = 36 (Q) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (K) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (T) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (O) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (E) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (H) · Skip-count by 10s. Fill the blank: 10, 20, 30, __, 50, 60 = 40 (D) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (Z) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 = 15 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 = 70 (F) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (A) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 = 35 (M) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 = 20 (Y) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (U)

Clue 4 (Place value): "A NEON GREEN BAND WAS LEFT IN THE NET"

What number has 6 tens and 7 ones? = 67 (A) · What number has 5 tens and 9 ones? = 59 (N) · What number has 2 tens and 9 ones? = 29 (R) · What number has 6 tens and 2 ones? = 62 (H) · What number has 9 tens and 0 ones? = 90 (E) · What number has 4 tens and 5 ones? = 45 (W) · What number has 9 tens and 9 ones? = 99 (O) · What number has 5 tens and 7 ones? = 57 (S) · What number has 5 tens and 0 ones? = 50 (T) · What number has 9 tens and 4 ones? = 94 (L) · What number has 5 tens and 6 ones? = 56 (B) · What number has 8 tens and 0 ones? = 80 (I) · What number has 7 tens and 0 ones? = 70 (G) · What number has 7 tens and 6 ones? = 76 (F) · What number has 1 ten and 1 one? = 11 (D)

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

$7 + \underline{\quad} = 10 = 3$ · $3 + \underline{\quad} = 7 = 4$ · $5 + \underline{\quad} = 10 = 5$ · $4 + \underline{\quad} = 10 = 6$ · $9 + \underline{\quad} = 18 = 9$ · $6 + \underline{\quad} = 8 = 2$ · $1 + \underline{\quad} = 11 = 10$ · $10 + \underline{\quad} = 22 = 12$ · $9 + \underline{\quad} = 20 = 11$ · $8 + \underline{\quad} = 16 = 8$ · $4 + \underline{\quad} = 11 = 7$