The Case of the Missing Golden Trophy

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

Detective: _____ **Date:** _____

The championship trophy vanished right before the kickoff whistle! Someone sneaked onto the pitch and snatched the cup. Use your math skills and soccer clues to identify the culprit before half-time!

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

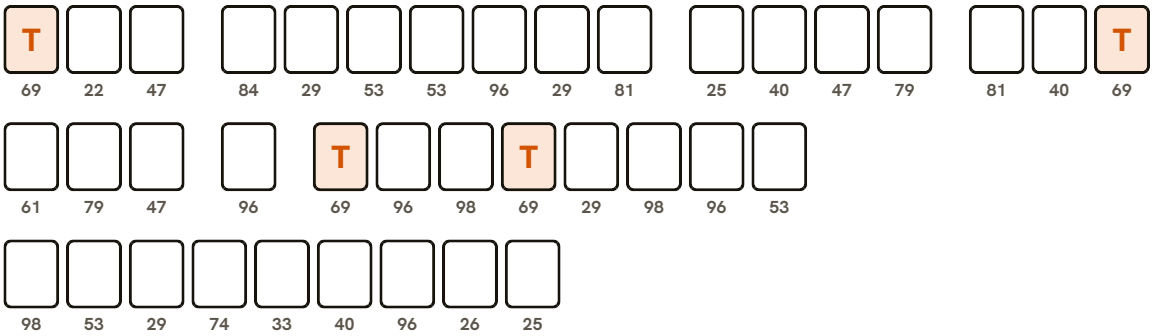
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE MOVE	SOCCER GEAR	KICKING FOOT	HAIRSTYLE	DISTRACTION
Luka Modric	Curved Pass	Whistle of Power	Right Footed	Curly Headband	Squeaky Whistle
Aitana Bonmati	Mega Header	Tactical Clipboard	Right Footed	Braided Ponytail	Squeaky Whistle
Bukayo Saka	Golden Gloves	Neon Shin Guards	Left Footed	Curly Headband	Loud Vuvuzela
Cristiano Ronaldo	Curved Pass	Whistle of Power	Right Footed	Spiky Green Hair	Squeaky Whistle
Erling Haaland	Rocket Kick	Energy Drink	Right Footed	Braided Ponytail	Muddy Pitch
Jude Bellingham	Mega Header	Bouncy Soccer Ball	Right Footed	Braided Ponytail	Muddy Pitch
Lauren James	Phantom Dribble	Energy Drink	Right Footed	Braided Ponytail	Loud Vuvuzela
Sophia Smith	Phantom Dribble	Whistle of Power	Left Footed	Curly Headband	Loud Vuvuzela
Alex Morgan	Golden Gloves	Energy Drink	Left Footed	Curly Headband	Squeaky Whistle
Neymar Jr	Curved Pass	Bouncy Soccer Ball	Right Footed	Braided Ponytail	Squeaky Whistle
Kevin De Bruyne	Golden Gloves	Bouncy Soccer Ball	Left Footed	Spiky Green Hair	Muddy Pitch
Trinity Rodman	Golden Gloves	Neon Shin Guards	Right Footed	Braided Ponytail	Loud Vuvuzela
Vinicius Jr	Rocket Kick	Energy Drink	Left Footed	Braided Ponytail	Loud Vuvuzela
Son Heungmin	Curved Pass	Tactical Clipboard	Right Footed	Braided Ponytail	Loud Vuvuzela
Mohamed Salah	Golden Gloves	Whistle of Power	Right Footed	Spiky Green Hair	Loud Vuvuzela
Kylian Mbappe	Mega Header	Energy Drink	Right Footed	Braided Ponytail	Loud Vuvuzela
Robert Lewandowski	Curved Pass	Neon Shin Guards	Right Footed	Curly Headband	Muddy Pitch
Lionel Messi	Phantom Dribble	Whistle of Power	Right Footed	Curly Headband	Loud Vuvuzela
Marcus Rashford	Rocket Kick	Whistle of Power	Right Footed	Braided Ponytail	Loud Vuvuzela
Marta	Mega Header	Energy Drink	Right Footed	Braided Ponytail	Squeaky Whistle
Rose Lavelle	Phantom Dribble	Bouncy Soccer Ball	Left Footed	Curly Headband	Muddy Pitch

CLUE 1 Place value

> The stadium scoreboard digital display scrambled the digits, but reading the place value unlocks the first mystery clue.

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



What number has 6 tens and 9 ones? ☐ → T

What number has 7 tens and 4 ones? ☐ → P

What number has 5 tens and 3 ones? ☐ → L

What number has 4 tens and 7 ones? ☐ → E

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

What number has 3 tens and 3 ones? ☐ → B

What number has 9 tens and 8 ones? ☐ → C

What number has 2 tens and 6 ones? ☐ → R

What number has 6 tens and 1 one? ☐ → U

What number has 2 tens and 2 ones? ☐ → H

What number has 7 tens and 9 ones? ☐ → S

What number has 2 tens and 9 ones? ☐ → I

What number has 4 tens and 0 ones? ☐ → O

What number has 8 tens and 1 one? ☐ → N

What number has 8 tens and 4 ones? ☐ → V

What number has 2 tens and 5 ones? ☐ → D

Scratch space:

CLUE 2 Addition

Coach Miller added up all the training cones saved from the bench to reveal another clue.

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

G																
45	74	32	75	75	93	66	30	78	75	75	80	50	72	32		
		G														
74	62	45	80	78	88	50	50	78	66	93	75	80	50	50	78	66	74

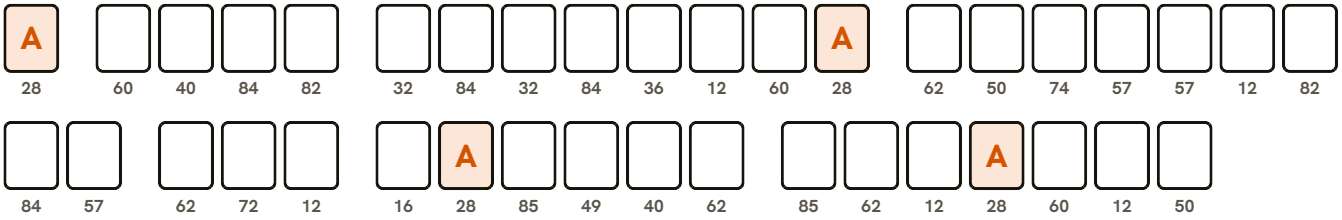
27 + 18 = ☐ → G	34 + 46 = ☐ → H	41 + 47 = ☐ → F
16 + 14 = ☐ → N	41 + 21 = ☐ → I	31 + 44 = ☐ → S
10 + 22 = ☐ → A	33 + 17 = ☐ → O	46 + 47 = ☐ → D
42 + 30 = ☐ → W	21 + 45 = ☐ → E	42 + 36 = ☐ → T
31 + 43 = ☐ → R		

Scratch space:

CLUE 3 Subtraction

Comparing the total soccer balls collected against those missing gave the detective team their next break.

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



58 - 30 = ☐ → A

60 - 20 = ☐ → O

80 - 6 = ☐ → I

93 - 8 = ☐ → S

41 - 29 = ☐ → E

68 - 36 = ☐ → V

107 - 23 = ☐ → U

97 - 15 = ☐ → D

87 - 37 = ☐ → R

77 - 17 = ☐ → L

55 - 19 = ☐ → Z

63 - 14 = ☐ → C

63 - 1 = ☐ → T

38 - 22 = ☐ → M

89 - 17 = ☐ → H

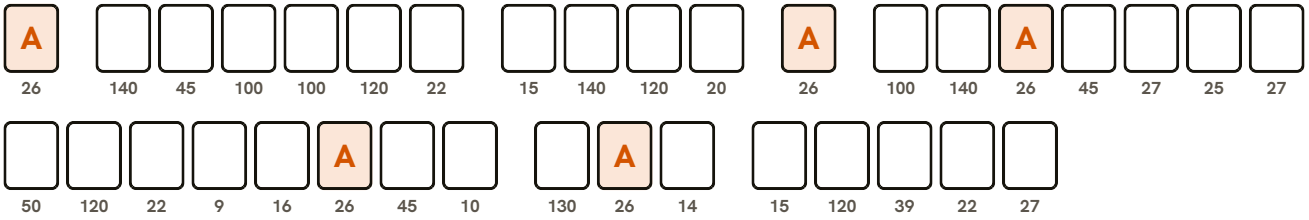
58 - 1 = ☐ → P

Scratch space:

CLUE 4 Skip counting

Counting the field markers by groups along the sideline uncovered a secret message hidden in the turf.

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



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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, ___, 60, 70 ☐ → **P**

Skip-count by 5s. Fill the blank: 5, 10, ___, 20, 25 ☐ → **F**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 ☐ → **O**

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, ___, 42, 45 ☐ → **U**

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

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

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

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, ___, 12, 14 ☐ → **L**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, ___, 50, 55 ☐ → I

Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 ☐ → Y

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, ___, 30, 35 ☐ → E

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, ___, 22, 24 ☐ → M

Scratch space:

CLUE 5 Missing addends - the last clue

> Finding how many extra jerseys are needed to reach the full team total solves the final piece of evidence.

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:

8 + ___ = 11 ☐	3 + ___ = 13 ☐	9 + ___ = 13 ☐	1 + ___ = 3 ☐
5 + ___ = 11 ☐	8 + ___ = 17 ☐	8 + ___ = 9 ☐	5 + ___ = 10 ☐
9 + ___ = 17 ☐	3 + ___ = 10 ☐	3 + ___ = 14 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain blocked the net with golden gloves, then blew a whistle of power.
2. The villain blocked the net with golden gloves, then consulted a tactical clipboard.
3. The villain blasted a rocket kick, then blew a whistle of power.
4. The villain scored with a mega header, then drank an energy drink.
5. The villain snuck past with a curved pass, then consulted a tactical clipboard.
6. The villain scored with a mega header, then consulted a tactical clipboard.
7. The villain blasted a rocket kick, then strapped on neon shin guards.
8. The villain snuck past with a curved pass, then strapped on neon shin guards.
9. The villain blasted a rocket kick, then juggled a bouncy soccer ball.
10. The villain showed off a phantom dribble, then drank an energy drink.
11. The villain showed off a phantom dribble, then strapped on neon shin guards.
12. The villain blocked the net with golden gloves, then strapped on neon shin guards.

TEACHER / PARENT

Answer Key

The Case of the Missing Golden Trophy

Culprit: Trinity Rodman

Golden Gloves · Neon Shin Guards · Right Footed · Braided Ponytail · Loud Vuvuzela

Trail: Start 21 → Clue 1 19 → Clue 2 13 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT USE A TACTICAL CLIPBOARD"

What number has 6 tens and 9 ones? = 69 (T) · What number has 7 tens and 4 ones? = 74 (P) · What number has 5 tens and 3 ones? = 53 (L) · What number has 4 tens and 7 ones? = 47 (E) · What number has 9 tens and 6 ones? = 96 (A) · What number has 3 tens and 3 ones? = 33 (B) · What number has 9 tens and 8 ones? = 98 (C) · What number has 2 tens and 6 ones? = 26 (R) · What number has 6 tens and 1 one? = 61 (U) · What number has 2 tens and 2 ones? = 22 (H) · What number has 7 tens and 9 ones? = 79 (S) · What number has 2 tens and 9 ones? = 29 (I) · What number has 4 tens and 0 ones? = 40 (O) · What number has 8 tens and 1 one? = 81 (N) · What number has 8 tens and 4 ones? = 84 (V) · What number has 2 tens and 5 ones? = 25 (D)

Clue 2 (Addition): "GRASS DENTS SHOW A RIGHT FOOTED SHOOTER"

27 + 18 = 45 (G) · 34 + 46 = 80 (H) · 41 + 47 = 88 (F) · 16 + 14 = 30 (N) · 41 + 21 = 62 (I) · 31 + 44 = 75 (S) · 10 + 22 = 32 (A) · 33 + 17 = 50 (O) · 46 + 47 = 93 (D) · 42 + 30 = 72 (W) · 21 + 45 = 66 (E) · 42 + 36 = 78 (T) · 31 + 43 = 74 (R)

Clue 3 (Subtraction): "A LOUD VUVUZELA TRIPPED UP THE MASCOT STEALER"

58 - 30 = 28 (A) · 60 - 20 = 40 (O) · 80 - 6 = 74 (I) · 93 - 8 = 85 (S) · 41 - 29 = 12 (E) · 68 - 36 = 32 (V) · 107 - 23 = 84 (U) · 97 - 15 = 82 (D) · 87 - 37 = 50 (R) · 77 - 17 = 60 (L) · 55 - 19 = 36 (Z) · 63 - 14 = 49 (C) · 63 - 1 = 62 (T) · 38 - 22 = 16 (M) · 89 - 17 = 72 (H) · 58 - 1 = 57 (P)

Clue 4 (Skip counting): "A RIBBON FROM A BRAIDED PONYTAIL WAS FOUND"

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

Clue 5 (Missing addends): surviving statement is box 12 → Trinity Rodman

8 + ___ = 11 = 3 · 3 + ___ = 13 = 10 · 9 + ___ = 13 = 4 · 1 + ___ = 3 = 2 · 5 + ___ = 11 = 6 · 8 + ___ = 17 = 9 · 8 + ___ = 9 = 1 · 5 + ___ = 10 = 5 · 9 + ___ = 17 = 8 · 3 + ___ = 10 = 7 · 3 + ___ = 14 = 11