



The Mystery of the Missing Golden Trophy

Grade 3 math · Multiplication, Word problems, Place value, Rounding, Division · Reading level grades 3-4

Detective: _____ Date: _____

Someone snatched the Golden Trophy right before the championship finals kick off! Check the stadium clues to catch the sneaky saboteur.

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 League Saboteur is _____

Possible suspects

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

NAME	TRICK SHOT	GEAR STASH	SHOE LACES	HAIRSTYLE	WEAK FOOT
Bukayo Saka	Bicycle Kick	Neon Cleats	Untied Laces	Buzz Cut	Left Footed
Trent Alexander	Knuckleball	Shiny Whistle	Untied Laces	Long Headband Hair	Both Feet
Phil Foden	Curveball	Golden Cone	Double Knotted Laces	Buzz Cut	Right Footed
Jamal Musiala	Rainbow Flick	Captain Band	Double Knotted Laces	Long Headband Hair	Right Footed
Marcus Rashford	Rainbow Flick	Shiny Whistle	Untied Laces	Buzz Cut	Left Footed
Luka Modric	Rainbow Flick	Golden Cone	Untied Laces	Long Headband Hair	Right Footed
Son Heungmin	Curveball	Shiny Whistle	Double Knotted Laces	Long Headband Hair	Both Feet
Declan Rice	Header Blast	Shiny Whistle	Double Knotted Laces	Long Headband Hair	Left Footed
Lionel Messi	Rainbow Flick	Neon Cleats	Double Knotted Laces	Long Headband Hair	Right Footed
Virgil van Dijk	Knuckleball	Glow Gloves	Double Knotted Laces	Buzz Cut	Right Footed
Kylian Mbappe	Curveball	Captain Band	Untied Laces	Buzz Cut	Both Feet
Rodri	Rainbow Flick	Golden Cone	Double Knotted Laces	Long Headband Hair	Left Footed
Harry Kane	Header Blast	Captain Band	Double Knotted Laces	Long Headband Hair	Both Feet
Christian Pulisic	Bicycle Kick	Shiny Whistle	Untied Laces	Spiky Hair	Left Footed
Bruno Fernandes	Knuckleball	Golden Cone	Double Knotted Laces	Long Headband Hair	Right Footed
Alphonso Davies	Knuckleball	Glow Gloves	Double Knotted Laces	Long Headband Hair	Left Footed
Kevin De Bruyne	Knuckleball	Shiny Whistle	Double Knotted Laces	Long Headband Hair	Right Footed
Jude Bellingham	Header Blast	Glow Gloves	Double Knotted Laces	Long Headband Hair	Right Footed
Cristiano Ronaldo	Knuckleball	Neon Cleats	Double Knotted Laces	Buzz Cut	Left Footed
Erling Haaland	Header Blast	Golden Cone	Untied Laces	Spiky Hair	Left Footed
Alex Morgan	Curveball	Neon Cleats	Untied Laces	Spiky Hair	Right Footed

CLUE 1
Multiplication facts (1-12)

The equipment manager counts identical ball racks arranged in equal rows to unlock the first clue vault.

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

T																	T
77	28	132	35	36	64	64	88	36	70	80	144	132	63	70	144	77	

								T								
96	132	88	50	88	84	88	1	77	88	36	70	15	88	70	80	

$11 \times 7 =$

→

T

$5 \times 10 =$

→

R

$12 \times 12 =$

→

O

$1 \times 1 =$

→

P

$8 \times 8 =$

→

L

$5 \times 3 =$

→

B

$11 \times 12 =$

→

E

$4 \times 9 =$

→

I

$7 \times 10 =$

→

N

$7 \times 4 =$

→

H

$9 \times 7 =$

→

S

$8 \times 11 =$

→

A

$7 \times 12 =$

→

C

$7 \times 5 =$

→

V

$8 \times 12 =$

→

W

$10 \times 8 =$

→

D

Scratch space:

CLUE 2

Word problems

Coach compares total practice jerseys used during drills to figure out who visited the locker room.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A witness saw the villain was

D							N		T	T		D		A	C		S
57	52	17	28	78	24	56		52			24	57	78			24	

Equipment Manager found 4 team jerseys yesterday and 53 more today. How many team jerseys in all?

Answer: → **D**

Equipment Manager found 51 water bottles yesterday and 5 more today. How many water bottles in all?

Answer: → **K**

There were 88 soccer balls. 10 were used up. How many soccer balls are left?

Answer: → **L**

Equipment Manager found 12 corner flags yesterday and 16 more today. How many corner flags in all?

Answer: → **B**

Equipment Manager lined up 2 rows of 12 corner flags. How many corner flags in all?

Answer: → **E**

There were 71 water bottles. 19 were used up. How many water bottles are left?

Answer: → **O**

There were 20 soccer balls. 3 were used up. How many soccer balls are left?

Answer: → **U**

Scratch space:

CLUE 3
Place value

The stadium scoreboard flashes code digits based on hundreds, tens, and ones digit positions.

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

G															
6000	9000	800	70	90	200	5000	800	500	200	3000	800	50	200	800	400
		G													
20	90	6000	100	7000	900	9000	9000	7000	200	3000	400	90	300	400	

What is the value of the 6 in 6,104? → **G**

What is the value of the 4 in 469? → **K**

What is the value of the 5 in 656? → **W**

What is the value of the 2 in 281? → **E**

What is the value of the 2 in 4,529? → **R**

What is the value of the 7 in 87,059? → **T**

What is the value of the 8 in 844? → **A**

What is the value of the 9 in 987? → **F**

What is the value of the 9 in 49,135? → **O**

What is the value of the 7 in 572? → **L**

What is the value of the 9 in 8,092? → **I**

What is the value of the 5 in 25,644? → **S**

What is the value of the 5 in 9,534? → **V**

What is the value of the 3 in 6,315? → **C**

What is the value of the 3 in 3,900? → **D**

What is the value of the 1 in 190? → **H**

Scratch space:

CLUE 4 Rounding

The speed radar shows shot velocity rounded to the nearest ten to reveal hidden track data.

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

L														
6000	900	30	600	300	80	50	4000	20	4000	900	200	80		
300	9000	80	5000	70	80	30	5000	2000	80	700	600	300	90	

Round 5,693 to the nearest thousand → **L**

Round 78 to the nearest ten → **A**

Round 93 to the nearest ten → **T**

Round 72 to the nearest ten → **B**

Round 32 to the nearest ten → **N**

Round 1,671 to the nearest thousand → **C**

Round 228 to the nearest hundred → **M**

Round 589 to the nearest hundred → **G**

Round 332 to the nearest hundred → **H**

Round 677 to the nearest hundred → **U**

Round 16 to the nearest ten → **F**

Round 863 to the nearest hundred → **O**

Round 48 to the nearest ten → **I**

Round 5,137 to the nearest thousand → **D**

Round 9,401 to the nearest thousand → **E**

Round 3,569 to the nearest thousand → **R**

Scratch space:

CLUE 5**Division facts (1-12) - the last clue**

The referee divides orange slices equally among players to reveal the final hidden message.

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:

$60 \div 5 = \boxed{}$

$4 \div 4 = \boxed{}$

$24 \div 3 = \boxed{}$

$27 \div 3 = \boxed{}$

$15 \div 5 = \boxed{}$

$8 \div 2 = \boxed{}$

$22 \div 11 = \boxed{}$

$60 \div 10 = \boxed{}$

$33 \div 3 = \boxed{}$

$7 \div 1 = \boxed{}$

$110 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain blasts an unpredictable Knuckleball past the guard, then stashes the loot inside bright Glow Gloves.
2. The villain curls a sneaky Curveball into the net, then swipes a referee Shiny Whistle.
3. The villain curls a sneaky Curveball into the net, then swaps the prize for a plain Golden Cone.
4. The villain blasts an unpredictable Knuckleball past the guard, then swipes a referee Shiny Whistle.
5. The villain dribbles with a slick Rainbow Flick over defenders, then hides the trophy under a pile of Neon Cleats.
6. The villain curls a sneaky Curveball into the net, then hides the trophy under a pile of Neon Cleats.
7. The villain fires a soaring Header Blast toward the bench, then swaps the prize for a plain Golden Cone.
8. The villain launches a wild Bicycle Kick across the field, then swipes a referee Shiny Whistle.
9. The villain blasts an unpredictable Knuckleball past the guard, then snatches the official Captain Band.
10. The villain fires a soaring Header Blast toward the bench, then hides the trophy under a pile of Neon Cleats.
11. The villain fires a soaring Header Blast toward the bench, then snatches the official Captain Band.
12. The villain launches a wild Bicycle Kick across the field, then snatches the official Captain Band.

Answer Key

The Mystery of the Missing Golden Trophy

Culprit: Lionel Messi

Rainbow Flick · Neon Cleats · Double Knotted Laces · Long Headband Hair · Right Footed

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

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DOES NOT WEAR A CAPTAIN BAND"

$11 \times 7 = 77$ (T) · $5 \times 10 = 50$ (R) · $12 \times 12 = 144$ (O) · $1 \times 1 = 1$ (P) · $8 \times 8 = 64$ (L) · $5 \times 3 = 15$ (B) · $11 \times 12 = 132$ (E) · $4 \times 9 = 36$ (I) · $7 \times 10 = 70$ (N) · $7 \times 4 = 28$ (H) · $9 \times 7 = 63$ (S) · $8 \times 11 = 88$ (A) · $7 \times 12 = 84$ (C) · $7 \times 5 = 35$ (V) · $8 \times 12 = 96$ (W) · $10 \times 8 = 80$ (D)

Clue 2 (Word problems): "DOUBLE KNOTTED LACES"

Equipment Manager found 4 team jerseys yesterday and 53 more today. How many team jerseys in all? = 57 (D) · Equipment Manager found 51 water bottles yesterday and 5 more today. How many water bottles in all? = 56 (K) · There were 88 soccer balls. 10 were used up. How many soccer balls are left? = 78 (L) · Equipment Manager found 12 corner flags yesterday and 16 more today. How many corner flags in all? = 28 (B) · Equipment Manager lined up 2 rows of 12 corner flags. How many corner flags in all? = 24 (E) · There were 71 water bottles. 19 were used up. How many water bottles are left? = 52 (O) · There were 20 soccer balls. 3 were used up. How many soccer balls are left? = 17 (U)

Clue 3 (Place value): "GOALIE SAVED A WEAK RIGHT FOOTED KICK"

What is the value of the 6 in 6,104? = 6000 (G) · What is the value of the 4 in 469? = 400 (K) · What is the value of the 5 in 656? = 50 (W) · What is the value of the 2 in 281? = 200 (E) · What is the value of the 2 in 4,529? = 20 (R) · What is the value of the 7 in 87,059? = 7000 (T) · What is the value of the 8 in 844? = 800 (A) · What is the value of the 9 in 987? = 900 (F) · What is the value of the 9 in 49,135? = 9000 (O) · What is the value of the 7 in 572? = 70 (L) · What is the value of the 9 in 8,092? = 90 (I) · What is the value of the 5 in 25,644? = 5000 (S) · What is the value of the 5 in 9,534? = 500 (V) · What is the value of the 3 in 6,315? = 300 (C) · What is the value of the 3 in 3,900? = 3000 (D) · What is the value of the 1 in 190? = 100 (H)

Clue 4 (Rounding): "LONG HAIR FROM A HEADBAND CAUGHT ON NET"

Round 5,693 to the nearest thousand = 6000 (L) · Round 78 to the nearest ten = 80 (A) · Round 93 to the nearest ten = 90 (T) · Round 72 to the nearest ten = 70 (B) · Round 32 to the nearest ten = 30 (N) · Round 1,671 to the nearest thousand = 2000 (C) · Round 228 to the nearest hundred = 200 (M) · Round 589 to the nearest hundred = 600 (G) · Round 332 to the nearest hundred = 300 (H) · Round 677 to the nearest hundred = 700 (U) · Round 16 to the nearest ten = 20 (F) · Round 863 to the nearest hundred = 900 (O) · Round 48 to the nearest ten = 50 (I) · Round 5,137 to the nearest thousand = 5000 (D) · Round 9,401 to the nearest thousand = 9000 (E) · Round 3,569 to the nearest thousand = 4000 (R)

Clue 5 (Division facts (1-12)): surviving statement is box 5 → Lionel Messi

$60 \div 5 = 12$ · $4 \div 4 = 1$ · $24 \div 3 = 8$ · $27 \div 3 = 9$ · $15 \div 5 = 3$ · $8 \div 2 = 4$ · $22 \div 11 = 2$ · $60 \div 10 = 6$ · $33 \div 3 = 11$ · $7 \div 1 = 7$ · $110 \div 11 = 10$