



The Mystery of the Missing Golden Trophy

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

Detective: _____ Date: _____

Right before the final match at Grand Championship Stadium, the golden trophy vanished! A rogue player snuck onto the pitch and swapped it for an old boot. Follow the clues across the field to catch the trickster!

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 Mysterious 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 MOVE	LUCKY GEAR	KIT STYLE	HAIR STYLE	SOCCER WEAKNESS
Kylian Mbappe	Bicycle Kick	Golden Shin Guards	Home Jersey Kit	Curly Black Hair	Slippy Mud Patch
Harry Kane	Power Shot	Golden Shin Guards	Away Jersey Kit	Curly Black Hair	Loud Whistle Blast
Sam Kerr	Power Shot	Glow Cleats	Home Jersey Kit	Spiky Blond Hair	Loud Whistle Blast
Marta Vieira	Curving Free Kick	Glow Cleats	Home Jersey Kit	Spiky Blond Hair	Slippy Mud Patch
Lionel Messi	Knuckleball Kick	Golden Shin Guards	Away Jersey Kit	Curly Black Hair	Loud Whistle Blast
Kevin De Bruyne	Power Shot	Captain Armband	Home Jersey Kit	Braided Red Hair	Loud Whistle Blast
Christine Sinclair	Chip Shot	Neon Headband	Home Jersey Kit	Spiky Blond Hair	Loud Whistle Blast
Erling Haaland	Power Shot	Glow Cleats	Away Jersey Kit	Curly Black Hair	Loud Whistle Blast
Jude Bellingham	Chip Shot	Glow Cleats	Home Jersey Kit	Spiky Blond Hair	Loud Whistle Blast
Sophia Smith	Bicycle Kick	Glow Cleats	Away Jersey Kit	Curly Black Hair	Bright Stadium Light
Pedri Gonzalez	Chip Shot	Glow Cleats	Away Jersey Kit	Curly Black Hair	Slippy Mud Patch
Cristiano Ronaldo	Curving Free Kick	Custom Gloves	Away Jersey Kit	Spiky Blond Hair	Slippy Mud Patch
Bukayo Saka	Knuckleball Kick	Golden Shin Guards	Away Jersey Kit	Spiky Blond Hair	Slippy Mud Patch
Virgil van Dijk	Knuckleball Kick	Golden Shin Guards	Home Jersey Kit	Curly Black Hair	Loud Whistle Blast
Jamal Musiala	Chip Shot	Neon Headband	Away Jersey Kit	Curly Black Hair	Loud Whistle Blast
Alex Morgan	Knuckleball Kick	Golden Shin Guards	Away Jersey Kit	Spiky Blond Hair	Loud Whistle Blast
Son Heungmin	Bicycle Kick	Custom Gloves	Home Jersey Kit	Curly Black Hair	Bright Stadium Light
Marcus Rashford	Bicycle Kick	Golden Shin Guards	Home Jersey Kit	Braided Red Hair	Loud Whistle Blast
Phil Foden	Curving Free Kick	Custom Gloves	Away Jersey Kit	Curly Black Hair	Loud Whistle Blast
Mallory Swanson	Curving Free Kick	Neon Headband	Home Jersey Kit	Curly Black Hair	Bright Stadium Light
Megan Rapinoe	Bicycle Kick	Captain Armband	Away Jersey Kit	Braided Red Hair	Bright Stadium Light

CLUE 1

9

54 11 10 50 45 50 49 10 84 54 32 63 10 50 44 63 54

9 10 72 110 72 44 10 63 44 11 10 72 32 42 72 44 32

$9 \times 6 = \square \rightarrow \boxed{\text{T}}$

$7 \times 9 = \square \rightarrow \boxed{\text{O}}$

$11 \times 1 = \boxed{} \rightarrow \boxed{\text{H}}$

$9 \times 5 = \square \rightarrow \boxed{\text{U}}$

$4 \times 8 = \square \rightarrow \boxed{\text{D}}$

$11 \times 4 = \boxed{} \rightarrow \boxed{\text{N}}$

$2 \times 5 = \square \rightarrow \boxed{\text{E}}$

$10 \times 5 = \square \rightarrow \boxed{\text{S}}$

$9 \times 1 = \boxed{} \rightarrow \boxed{\text{w}}$

$10 \times 11 = \boxed{} \rightarrow \boxed{\text{R}}$

$7 \times 7 = \square \rightarrow \boxed{\text{P}}$

$12 \times 7 = \square \rightarrow \boxed{\text{C}}$

$6 \times 12 = \square \rightarrow \mathbf{A}$

$7 \times 6 = \square \rightarrow \boxed{\mathbf{B}}$

S

CLUE 2 Place value

You inspect the digital scoreboard where place values reveal a secret code.

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

W									W									
300	6000	30	400	80	2000	2000	2000	100	300	100	700	7000	100	70	80	20	6000	400
			W															
100	400	100	300	100	70	1000	80	20	2000	80	70	200	6000	30				

What is the value of the 3 in 354? → **W**

What is the value of the 7 in 27,003? → **L**

What is the value of the 8 in 5,686? → **E**

What is the value of the 1 in 1,430? → **J**

What is the value of the 7 in 170? → **Y**

What is the value of the 1 in 133? → **A**

What is the value of the 2 in 3,278? → **K**

What is the value of the 2 in 2,576? → **S**

What is the value of the 3 in 9,832? → **T**

What is the value of the 7 in 789? → **P**

What is the value of the 6 in 6,917? → **I**

What is the value of the 4 in 459? → **N**

What is the value of the 2 in 327? → **R**

Scratch space:

CLUE 3

Word problems

The team manager calculates soccer balls and water bottles lost during training.

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

Someone scared the villain off with

L							S	T	L	E	B	L	A	S	T
12	73	64	51	32	10	46			12		12				

Coach Martinez lined up 4 rows of 3 pylon cones. How many pylon cones in all?

Answer: → **L**

Coach Martinez lined up 4 rows of 8 pylon cones. How many pylon cones in all?

Answer: → **W**

Coach Martinez found 6 pylon cones yesterday and 40 more today. How many pylon cones in all?

Answer: → **I**

Coach Martinez lined up 2 rows of 5 pylon cones. How many pylon cones in all?

Answer: → **H**

There were 68 pylon cones. 17 were used up. How many pylon cones are left?

Answer: → **D**

Coach Martinez lined up 8 rows of 8 water bottles. How many water bottles in all?

Answer: → **U**

Coach Martinez found 71 training bibs yesterday and 2 more today. How many training bibs in all?

Answer: → **O**

Scratch space:

CLUE 4
Rounding

The stadium speed radar rounds the speed of the mystery shot to the nearest ten.

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

T																	
90	8000	3000	300	3000	200	5000	8000	8000	3000	6000	800	20	5000	30	500	6000	70

300	6000	20	5000	40	8000	20	400	500

Round 91 to the nearest ten → **T**

Round 17 to the nearest ten → **A**

Round 5,033 to the nearest thousand → **C**

Round 8,104 to the nearest thousand → **H**

Round 42 to the nearest ten → **K**

Round 386 to the nearest hundred → **I**

Round 69 to the nearest ten → **Y**

Round 2,954 to the nearest thousand → **E**

Round 221 to the nearest hundred → **N**

Round 830 to the nearest hundred → **D**

Round 493 to the nearest hundred → **R**

Round 271 to the nearest hundred → **B**

Round 5,703 to the nearest thousand → **L**

Round 30 to the nearest ten → **U**

Scratch space:

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

To unlock the locker room door, you divide training bibs equally among the squads.

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:

$24 \div 3 = \boxed{}$

$40 \div 10 = \boxed{}$

$24 \div 2 = \boxed{}$

$20 \div 4 = \boxed{}$

$22 \div 2 = \boxed{}$

$18 \div 6 = \boxed{}$

$99 \div 11 = \boxed{}$

$2 \div 2 = \boxed{}$

$63 \div 9 = \boxed{}$

$120 \div 12 = \boxed{}$

$66 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain chipped the ball over the keeper, then strapped on golden shin guards.
2. The villain unleashed a power shot, then strapped on golden shin guards.
3. The villain fired a knuckleball kick, then adjusted their glow cleats.
4. The villain unleashed a power shot, then adjusted their glow cleats.
5. The villain chipped the ball over the keeper, then tightened custom gloves.
6. The villain scored with a bicycle kick, then tightened custom gloves.
7. The villain blasted a curving free kick, then pulled down a neon headband.
8. The villain blasted a curving free kick, then tightened custom gloves.
9. The villain fired a knuckleball kick, then tightened custom gloves.
10. The villain blasted a curving free kick, then fixed a captain armband.
11. The villain unleashed a power shot, then fixed a captain armband.
12. The villain fired a knuckleball kick, then strapped on golden shin guards.

Answer Key

The Mystery of the Missing Golden Trophy

Culprit: Harry Kane

Power Shot · Golden Shin Guards · Away Jersey Kit · Curly Black Hair · Loud Whistle Blast

Trail: Start 21 → Clue 1 18 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE SUSPECT DOES NOT WEAR A NEON HEADBAND"

$9 \times 6 = 54$ (T) · $7 \times 9 = 63$ (O) · $11 \times 1 = 11$ (H) · $9 \times 5 = 45$ (U) · $4 \times 8 = 32$ (D) · $11 \times 4 = 44$ (N) · $2 \times 5 = 10$ (E) · $10 \times 5 = 50$ (S) · $9 \times 1 = 9$ (W) · $10 \times 11 = 110$ (R) · $7 \times 7 = 49$ (P) · $12 \times 7 = 84$ (C) · $6 \times 12 = 72$ (A) · $7 \times 6 = 42$ (B)

Clue 2 (Place value): "WITNESS SAW A PLAYER IN AN AWAY JERSEY KIT"

What is the value of the 3 in 354 ? = 300 (W) · What is the value of the 7 in $27,003$? = 7000 (L) · What is the value of the 8 in $5,686$? = 80 (E) · What is the value of the 1 in $1,430$? = 1000 (J) · What is the value of the 7 in 170 ? = 70 (Y) · What is the value of the 1 in 133 ? = 100 (A) · What is the value of the 2 in $3,278$? = 200 (K) · What is the value of the 2 in $2,576$? = 2000 (S) · What is the value of the 3 in $9,832$? = 30 (T) · What is the value of the 7 in 789 ? = 700 (P) · What is the value of the 6 in $6,917$? = 6000 (I) · What is the value of the 4 in 459 ? = 400 (N) · What is the value of the 2 in 327 ? = 20 (R)

Clue 3 (Word problems): "LOUD WHISTLE BLAST"

Coach Martinez lined up 4 rows of 3 pylon cones. How many pylon cones in all? = 12 (L) · Coach Martinez lined up 4 rows of 8 pylon cones. How many pylon cones in all? = 32 (W) · Coach Martinez found 6 pylon cones yesterday and 40 more today. How many pylon cones in all? = 46 (I) · Coach Martinez lined up 2 rows of 5 pylon cones. How many pylon cones in all? = 10 (H) · There were 68 pylon cones. 17 were used up. How many pylon cones are left? = 51 (D) · Coach Martinez lined up 8 rows of 8 water bottles. How many water bottles in all? = 64 (U) · Coach Martinez found 71 training bibs yesterday and 2 more today. How many training bibs in all? = 73 (O)

Clue 4 (Rounding): "THE BENCH HELD A CURLY BLACK HAIR"

Round 91 to the nearest ten = 90 (T) · Round 17 to the nearest ten = 20 (A) · Round 5,033 to the nearest thousand = 5000 (C) · Round 8,104 to the nearest thousand = 8000 (H) · Round 42 to the nearest ten = 40 (K) · Round 386 to the nearest hundred = 400 (I) · Round 69 to the nearest ten = 70 (Y) · Round 2,954 to the nearest thousand = 3000 (E) · Round 221 to the nearest hundred = 200 (N) · Round 830 to the nearest hundred = 800 (D) · Round 493 to the nearest hundred = 500 (R) · Round 271 to the nearest hundred = 300 (B) · Round 5,703 to the nearest thousand = 6000 (L) · Round 30 to the nearest ten = 30 (U)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → Harry Kane

$24 \div 3 = 8$ · $40 \div 10 = 4$ · $24 \div 2 = 12$ · $20 \div 4 = 5$ · $22 \div 2 = 11$ · $18 \div 6 = 3$ · $99 \div 11 = 9$ · $2 \div 2 = 1$ · $63 \div 9 = 7$ · $120 \div 12 = 10$ · $66 \div 11 = 6$