



The Golden Cup Mystery

Grade 3 math · Rounding, Word problems, Addition, Subtraction, Division · Reading level grades 3-4

Detective: _____ Date: _____

The legendary Golden Cup has vanished right from the main display case! The stadium doors were locked, so the thief must be one of the star soccer players currently practicing on the pitch. Help the Head Coach solve the math puzzles to track down the thief before the big game starts!

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	GEAR BRAND	DOMINANT FOOT	HEADBAND COLOR	TRICKED BY
Lionel Messi	Curving Free Kick	Titan Pads	Right Footed	Neon Green Headband	Squeaky whistle
Mohamed Salah	Curving Free Kick	Falcon Gloves	Right Footed	Bright Orange Headband	Fake Out Pass
Kevin De Bruyne	Curving Free Kick	Aero Socks	Right Footed	Neon Green Headband	Fake Out Pass
Jude Bellingham	Speed Dribble	Swift Strike Cleats	Right Footed	Neon Green Headband	Squeaky whistle
Luis Diaz	Power Header	Titan Pads	Left Footed	Blue Stripe Headband	Shiny Golden Ball
Marta Vieira	Curving Free Kick	Titan Pads	Right Footed	Neon Green Headband	Shiny Golden Ball
Luka Modric	Bicycle Kick	Vortex Guards	Right Footed	Blue Stripe Headband	Fake Out Pass
Megan Rapinoe	Diving Save	Aero Socks	Right Footed	Neon Green Headband	Squeaky whistle
Erling Haaland	Diving Save	Aero Socks	Right Footed	Blue Stripe Headband	Shiny Golden Ball
Alisson Becker	Curving Free Kick	Swift Strike Cleats	Left Footed	Bright Orange Headband	Squeaky whistle
Harry Kane	Power Header	Falcon Gloves	Right Footed	Neon Green Headband	Squeaky whistle
Marcus Rashford	Bicycle Kick	Aero Socks	Right Footed	Bright Orange Headband	Squeaky whistle
Bruno Fernandes	Bicycle Kick	Falcon Gloves	Right Footed	Neon Green Headband	Shiny Golden Ball
Jack Grealish	Curving Free Kick	Aero Socks	Right Footed	Blue Stripe Headband	Fake Out Pass
Aitana Bonmati	Curving Free Kick	Falcon Gloves	Left Footed	Neon Green Headband	Squeaky whistle
Sam Kerr	Speed Dribble	Falcon Gloves	Left Footed	Bright Orange Headband	Shiny Golden Ball
Son Heung-min	Speed Dribble	Falcon Gloves	Right Footed	Neon Green Headband	Fake Out Pass
Cristiano Ronaldo	Curving Free Kick	Aero Socks	Right Footed	Bright Orange Headband	Fake Out Pass
Alex Morgan	Power Header	Vortex Guards	Right Footed	Blue Stripe Headband	Shiny Golden Ball
Robert Lewandowski	Bicycle Kick	Swift Strike Cleats	Right Footed	Neon Green Headband	Squeaky whistle
Bukayo Saka	Power Header	Titan Pads	Left Footed	Blue Stripe Headband	Fake Out Pass

CLUE 1

The referee counts the total gear piles in the equipment room. Help him solve these word problems to unlock the first clue.

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

400 60 8000 40 70 7000 20 30 80 400 2000 200 8000 700 4000 200 400

300 8000 50 30 400 80 400 50 4000 20 50 2000 700

Round 413 to the nearest hundred $\rightarrow$ **T**

Round 325 to the nearest hundred $\rightarrow$ **W**

Round 56 to the nearest ten $\rightarrow$ **H**

Round 18 to the nearest ten $\rightarrow$ **P**

Round 7,937 to the nearest thousand → **E**

Round 78 to the nearest ten $\rightarrow$

Round 3,628 to the nearest thousand $\rightarrow$ **N**

Round 686 to the nearest hundred $\rightarrow$ **S**

Round 195 to the nearest hundred $\rightarrow$

Round 69 to the nearest ten $\rightarrow$ **U**

Round 1,762 to the nearest thousand → **D**

Round 6,854 to the nearest thousand $\rightarrow$ **L**

Round 48 to the nearest ten → **A**

Round 32 to the nearest ten → **R**

Round 38 to the nearest ten $\rightarrow$ **C**

Scratch space:

CLUE 2 Word problems

The stadium scoreboard only displays rounded numbers for security. Round these team stats to find the next clue.

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

A witness saw the villain was R E D

31 23 17 35 59 80 27 27 59

The referee found 8 shiny medals yesterday and 23 more today. How many shiny medals in all?

Answer: → **R**

There are 8 the youth league team with 10 goalie gloves in each. How many goalie gloves in all?

Answer: → **F**

The referee found 11 goalie gloves yesterday and 6 more today. How many goalie gloves in all?

Answer: → **G**

There are 5 the youth league team with 7 shiny medals in each. How many shiny medals in all?

Answer: → **H**

The referee found 2 team water bottles yesterday and 21 more today. How many team water bottles in all?

Answer: → **I**

There were 79 orange cones. 20 were used up. How many orange cones are left?

Answer: → **T**

The referee found 14 goalie gloves yesterday and 13 more today. How many goalie gloves in all?

Answer: →

Scratch space:

CLUE 3 Addition

The assistant coach is tallying up the practice soccer balls on the pitch. Add up all the gear to reveal the third clue.

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

T			T							T							T	
439	783	257	439	783	619	257	580	315	439	873	270	270	257	530	353	439	353	

										T			
315	307	584	257	353	945	442	682	783	619	315	439	792	257

$$242 + 197 = \square \rightarrow \boxed{\text{T}}$$

$$598 + 347 = \square \rightarrow \boxed{\text{K}}$$

$$146 + 124 = \square \rightarrow \boxed{\text{P}}$$

$$425 + 194 = \square \rightarrow \boxed{\text{I}}$$

$$225 + 217 = \square \rightarrow \boxed{\text{Y}}$$

$$211 + 373 = \square \rightarrow \boxed{\text{U}}$$

$$160 + 147 = \square \rightarrow \boxed{\text{Q}}$$

$$177 + 403 = \square \rightarrow \boxed{\text{F}}$$

$$102 + 155 = \square \rightarrow \boxed{\text{E}}$$

$$231 + 122 = \square \rightarrow \boxed{\text{A}}$$

$$336 + 537 = \square \rightarrow \boxed{\text{O}}$$

$$165 + 365 = \square \rightarrow \boxed{\text{D}}$$

$$260 + 422 = \square \rightarrow \boxed{\text{W}}$$

$$507 + 285 = \square \rightarrow \boxed{\text{L}}$$

$$411 + 372 = \square \rightarrow \boxed{\text{H}}$$

$$175 + 140 = \square \rightarrow \boxed{\text{S}}$$

Scratch space:

CLUE 4 Subtraction

Some training bibs have gone missing from the locker room. Subtract the lost bibs from the total to get the fourth clue.

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

W																
586	345	667	270	893	661	152	870	661	345	270	661	342	249	345	345	661
874	870	359	249	679	870	661	152	870	537	537	874	345	212	870	176	345

$693 - 107 = \square \rightarrow \boxed{\text{W}}$

$976 - 83 = \square \rightarrow \boxed{\text{U}}$

$502 - 143 = \square \rightarrow \boxed{\text{I}}$

$797 - 260 = \square \rightarrow \boxed{\text{T}}$

$371 - 26 = \square \rightarrow \boxed{\text{E}}$

$956 - 295 = \square \rightarrow \boxed{\text{N}}$

$236 - 24 = \square \rightarrow \boxed{\text{C}}$

$1269 - 395 = \square \rightarrow \boxed{\text{H}}$

$355 - 106 = \square \rightarrow \boxed{\text{R}}$

$295 - 143 = \square \rightarrow \boxed{\text{D}}$

$1133 - 263 = \square \rightarrow \boxed{\text{A}}$

$381 - 39 = \square \rightarrow \boxed{\text{G}}$

$284 - 108 = \square \rightarrow \boxed{\text{S}}$

$289 - 19 = \square \rightarrow \boxed{\text{O}}$

$1051 - 372 = \square \rightarrow \boxed{\text{B}}$

$998 - 331 = \square \rightarrow \boxed{\text{F}}$

Scratch space:

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

The captain is sharing slices of oranges equally among the players. Divide the snacks to unlock 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:

$18 \div 3 = \boxed{}$

$66 \div 6 = \boxed{}$

$12 \div 4 = \boxed{}$

$120 \div 12 = \boxed{}$

$22 \div 11 = \boxed{}$

$24 \div 3 = \boxed{}$

$36 \div 9 = \boxed{}$

$45 \div 9 = \boxed{}$

$36 \div 4 = \boxed{}$

$120 \div 10 = \boxed{}$

$42 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain performs a bicycle kick, then laces up their swift strike cleats.
2. The villain completes a speed dribble, then adjusts their aero socks.
3. The villain lands a power header, then pulls on their falcon gloves.
4. The villain curves a free kick, then adjusts their aero socks.
5. The villain lands a power header, then straps on their titan pads.
6. The villain completes a speed dribble, then laces up their swift strike cleats.
7. The villain performs a bicycle kick, then pulls on their falcon gloves.
8. The villain lands a power header, then snaps on their vortex guards.
9. The villain completes a speed dribble, then straps on their titan pads.
10. The villain performs a bicycle kick, then adjusts their aero socks.
11. The villain makes a diving save, then adjusts their aero socks.
12. The villain performs a bicycle kick, then snaps on their vortex guards.

Answer Key

The Golden Cup Mystery

Culprit: Robert Lewandowski

Bicycle Kick · Swift Strike Cleats · Right Footed · Neon Green Headband · Squeaky whistle

Trail: Start 21 → Clue 1 17 → Clue 2 14 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE CULPRIT DOES NOT WEAR TITAN PADS"

Round 413 to the nearest hundred = 400 (T) · Round 325 to the nearest hundred = 300 (W) · Round 56 to the nearest ten = 60 (H) · Round 18 to the nearest ten = 20 (P) · Round 7,937 to the nearest thousand = 8000 (E) · Round 78 to the nearest ten = 80 (I) · Round 3,628 to the nearest thousand = 4000 (N) · Round 686 to the nearest hundred = 700 (S) · Round 195 to the nearest hundred = 200 (O) · Round 69 to the nearest ten = 70 (U) · Round 1,762 to the nearest thousand = 2000 (D) · Round 6,854 to the nearest thousand = 7000 (L) · Round 48 to the nearest ten = 50 (A) · Round 32 to the nearest ten = 30 (R) · Round 38 to the nearest ten = 40 (C)

Clue 2 (Word problems): "RIGHT FOOTED"

The referee found 8 shiny medals yesterday and 23 more today. How many shiny medals in all? = 31 (R) · There are 8 the youth league team with 10 goalie gloves in each. How many goalie gloves in all? = 80 (F) · The referee found 11 goalie gloves yesterday and 6 more today. How many goalie gloves in all? = 17 (G) · There are 5 the youth league team with 7 shiny medals in each. How many shiny medals in all? = 35 (H) · The referee found 2 team water bottles yesterday and 21 more today. How many team water bottles in all? = 23 (I) · There were 79 orange cones. 20 were used up. How many orange cones are left? = 59 (T) · The referee found 14 goalie gloves yesterday and 13 more today. How many goalie gloves in all? = 27 (O)

Clue 3 (Addition): "THE THIEF STOPPED AT A SQUEAKY WHISTLE"

$242 + 197 = 439$ (T) · $598 + 347 = 945$ (K) · $146 + 124 = 270$ (P) · $425 + 194 = 619$ (I) · $225 + 217 = 442$ (Y) · $211 + 373 = 584$ (U) · $160 + 147 = 307$ (Q) · $177 + 403 = 580$ (F) · $102 + 155 = 257$ (E) · $231 + 122 = 353$ (A) · $336 + 537 = 873$ (O) · $165 + 365 = 530$ (D) · $260 + 422 = 682$ (W) · $507 + 285 = 792$ (L) · $411 + 372 = 783$ (H) · $175 + 140 = 315$ (S)

Clue 4 (Subtraction): "WE FOUND A NEON GREEN HAIRBAND AT THE CASE"

$693 - 107 = 586$ (W) · $976 - 83 = 893$ (U) · $502 - 143 = 359$ (I) · $797 - 260 = 537$ (T) · $371 - 26 = 345$ (E) · $956 - 295 = 661$ (N) · $236 - 24 = 212$ (C) · $1269 - 395 = 874$ (H) · $355 - 106 = 249$ (R) · $295 - 143 = 152$ (D) · $1133 - 263 = 870$ (A) · $381 - 39 = 342$ (G) · $284 - 108 = 176$ (S) · $289 - 19 = 270$ (O) · $1051 - 372 = 679$ (B) · $998 - 331 = 667$ (F)

Clue 5 (Division facts (1-12)): surviving statement is box 1 → Robert Lewandowski

$18 \div 3 = 6$ · $66 \div 6 = 11$ · $12 \div 4 = 3$ · $120 \div 12 = 10$ · $22 \div 11 = 2$ · $24 \div 3 = 8$ · $36 \div 9 = 4$ · $45 \div 9 = 5$ · $36 \div 4 = 9$ · $120 \div 10 = 12$ · $42 \div 6 = 7$