The Golden Cup Caper

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

Detective: _____ **Date:** _____

The championship match is tonight, but the Golden Cup trophy has vanished from the locker room! Clues were left behind on the turf field. Solve the math problems to unlock the evidence and find the thief before kickoff!

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 Cup Thief is _____

Possible suspects

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

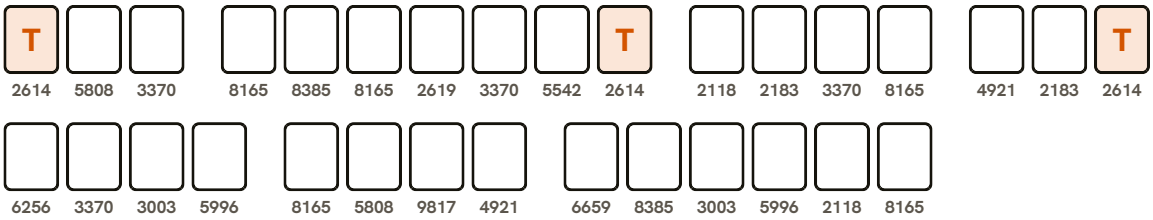
NAME	SIGNATURE MOVE	GEAR ITEM	SHOE LACE STYLE	HAIR STYLE	DEFENSIVE WEAKNESS
Marta	Curve Ball	Pivo Gloves	Double Knotted Laces	Curly Top	Loud Whistles
Neymar	Power Header	Captain Armband	Single Knotted Laces	Curly Top	Slippery Grass
Jude Bellingham	Power Header	Captain Armband	Double Knotted Laces	Slick Back	Offside Trap
Son Heung min	Knuckleball Shot	Tracker Whistle	Double Knotted Laces	Slick Back	Loud Whistles
Kevin De Bruyne	Power Header	Tracker Whistle	Single Knotted Laces	Slick Back	Loud Whistles
Sergio Ramos	Curve Ball	Captain Armband	Double Knotted Laces	Curly Top	Loud Whistles
Chloe Kelly	Knuckleball Shot	Captain Armband	Double Knotted Laces	Slick Back	Offside Trap
Jamal Musiala	Power Header	Tracker Whistle	Double Knotted Laces	Curly Top	Loud Whistles
Sam Kerr	Knuckleball Shot	Golden Cleats	Double Knotted Laces	Slick Back	Slippery Grass
Erling Haaland	Rainbow Flick	Tracker Whistle	Double Knotted Laces	Slick Back	Loud Whistles
Bukayo Saka	Bicycle Kick	Tracker Whistle	Single Knotted Laces	Slick Back	Slippery Grass
Lionel Messi	Bicycle Kick	Pivo Gloves	Double Knotted Laces	Slick Back	Loud Whistles
Luka Modric	Power Header	Tracker Whistle	Single Knotted Laces	Curly Top	Loud Whistles
Robert Lewandowski	Knuckleball Shot	Shin Guards	Single Knotted Laces	Spiky Mohawk	Offside Trap
Kylian Mbappe	Curve Ball	Captain Armband	Single Knotted Laces	Slick Back	Offside Trap
Aitana Bonmati	Power Header	Golden Cleats	Double Knotted Laces	Spiky Mohawk	Loud Whistles
Alex Morgan	Rainbow Flick	Captain Armband	Double Knotted Laces	Spiky Mohawk	Loud Whistles
Christian Pulisic	Power Header	Shin Guards	Double Knotted Laces	Slick Back	Loud Whistles
Marcus Rashford	Rainbow Flick	Tracker Whistle	Single Knotted Laces	Slick Back	Slippery Grass
Trinity Rodman	Rainbow Flick	Golden Cleats	Double Knotted Laces	Curly Top	Loud Whistles
Cristiano Ronaldo	Curve Ball	Tracker Whistle	Double Knotted Laces	Slick Back	Loud Whistles

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CLUE 1 Addition

> The equipment manager tallied all the soccer balls brought out for warmups. Add the numbers together to read the first clue.

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



1446 + 1168 = ☐ → T	2079 + 924 = ☐ → A	4088 + 4297 = ☐ → U
3381 + 2615 = ☐ → R	1816 + 803 = ☐ → P	4463 + 5354 = ☐ → I
2562 + 2359 = ☐ → N	3319 + 4846 = ☐ → S	1582 + 1788 = ☐ → E
1145 + 1038 = ☐ → O	2829 + 3830 = ☐ → G	3674 + 2582 = ☐ → W
3818 + 1724 = ☐ → C	3914 + 1894 = ☐ → H	1215 + 903 = ☐ → D

Scratch space:

CLUE 2 Subtraction

Several practice cones disappeared from the field. Subtract the missing cones to reveal where the suspect went next.

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



8163 - 1894 = ☐ → F

7031 - 301 = ☐ → W

9093 - 2264 = ☐ → P

6655 - 1774 = ☐ → E

4827 - 2612 = ☐ → S

2958 - 620 = ☐ → O

6869 - 1831 = ☐ → T

6907 - 2945 = ☐ → I

9586 - 4969 = ☐ → H

11273 - 2743 = ☐ → U

6696 - 3271 = ☐ → A

6545 - 2319 = ☐ → N

2234 - 1004 = ☐ → R

3246 - 669 = ☐ → L

7701 - 2615 = ☐ → B

7245 - 764 = ☐ → D

10669 - 2453 = ☐ → C

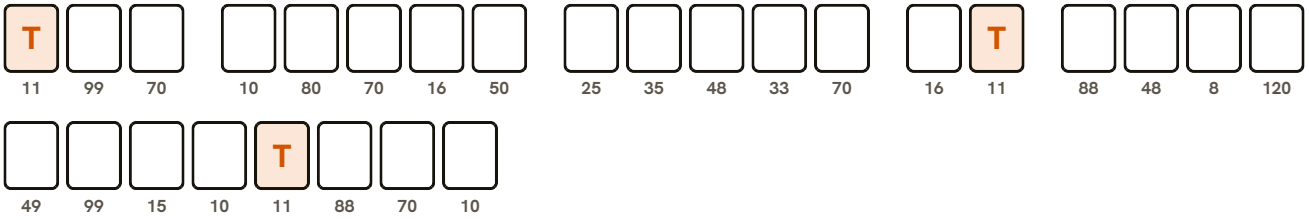
9588 - 3353 = ☐ → K

Scratch space:

CLUE 3 Multiplication facts (1-12)

The coach arranged the team benches into equal rows. Multiply the seats per row to decode this critical clue.

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



11 × 1 = ☐ → T

11 × 3 = ☐ → Z

5 × 10 = ☐ → K

5 × 2 = ☐ → S

8 × 6 = ☐ → O

5 × 5 = ☐ → F

11 × 9 = ☐ → H

3 × 5 = ☐ → I

5 × 7 = ☐ → R

10 × 8 = ☐ → N

10 × 12 = ☐ → D

8 × 11 = ☐ → L

1 × 8 = ☐ → U

10 × 7 = ☐ → E

4 × 4 = ☐ → A

7 × 7 = ☐ → W

Scratch space:

CLUE 4 Word problems

Read this story about training drills carefully to discover a clue about how the thief acts.

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

A strand of | S | | | | | | | | | | hair turned up at the scene.
14 33 26 13 61 74 32 13 61

There were 52 yellow cards. 38 were used up. How many yellow cards are left?

Answer: ☐ → **S**

Coach Miller found 21 yellow cards yesterday and 5 more today. How many yellow cards in all?

Answer: ☐ → **I**

There were 70 team jerseys. 37 were used up. How many team jerseys are left?

Answer: ☐ → **L**

Coach Miller found 19 water bottles yesterday and 13 more today. How many water bottles in all?

Answer: ☐ → **A**

Coach Miller found 32 yellow cards yesterday and 29 more today. How many yellow cards in all?

Answer: ☐ → **K**

Coach Miller found 19 soccer balls yesterday and 55 more today. How many soccer balls in all?

Answer: ☐ → **B**

Coach Miller found 8 team jerseys yesterday and 5 more today. How many team jerseys in all?

Answer: ☐ → **C**

Scratch space:

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

> The team distributed energy drinks evenly among the starting lineup. Divide the bottles to unlock the final hint.

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:

20 ÷ 5 = ☐	99 ÷ 9 = ☐	56 ÷ 8 = ☐	50 ÷ 10 = ☐	8 ÷ 4 = ☐
32 ÷ 4 = ☐	11 ÷ 11 = ☐	48 ÷ 4 = ☐	9 ÷ 3 = ☐	60 ÷ 6 = ☐
42 ÷ 7 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain curved a shot into the net, then pulled on pivo gloves.
2. The villain curved a shot into the net, then laced up golden cleats.
3. The villain executed a slick rainbow flick, then strapped on shin guards.
4. The villain used a bicycle kick, then pulled on pivo gloves.
5. The villain blasted a knuckleball shot, then laced up golden cleats.
6. The villain used a bicycle kick, then blew a tracker whistle.
7. The villain curved a shot into the net, then blew a tracker whistle.
8. The villain scored with a power header, then blew a tracker whistle.
9. The villain blasted a knuckleball shot, then blew a tracker whistle.
10. The villain used a bicycle kick, then strapped on shin guards.
11. The villain executed a slick rainbow flick, then blew a tracker whistle.
12. The villain curved a shot into the net, then strapped on shin guards.

TEACHER / PARENT

Answer Key

The Golden Cup Caper

Culprit: Son Heung min

Knuckleball Shot · Tracker Whistle · Double Knotted Laces · Slick Back · Loud Whistles

Trail: Start 21 → Clue 1 19 → Clue 2 13 → Clue 3 10 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SUSPECT DOES NOT WEAR SHIN GUARDS"

1446 + 1168 = 2614 (T) · 2079 + 924 = 3003 (A) · 4088 + 4297 = 8385 (U) · 3381 + 2615 = 5996 (R) · 1816 + 803 = 2619 (P) · 4463 + 5354 = 9817 (I) · 2562 + 2359 = 4921 (N) · 3319 + 4846 = 8165 (S) · 1582 + 1788 = 3370 (E) · 1145 + 1038 = 2183 (O) · 2829 + 3830 = 6659 (G) · 3674 + 2582 = 6256 (W) · 3818 + 1724 = 5542 (C) · 3914 + 1894 = 5808 (H) · 1215 + 903 = 2118 (D)

Clue 2 (Subtraction): "FOOTPRINTS SHOW DOUBLE KNOTTED LACES"

8163 - 1894 = 6269 (F) · 7031 - 301 = 6730 (W) · 9093 - 2264 = 6829 (P) · 6655 - 1774 = 4881 (E) · 4827 - 2612 = 2215 (S) · 2958 - 620 = 2338 (O) · 6869 - 1831 = 5038 (T) · 6907 - 2945 = 3962 (I) · 9586 - 4969 = 4617 (H) · 11273 - 2743 = 8530 (U) · 6696 - 3271 = 3425 (A) · 6545 - 2319 = 4226 (N) · 2234 - 1004 = 1230 (R) · 3246 - 669 = 2577 (L) · 7701 - 2615 = 5086 (B) · 7245 - 764 = 6481 (D) · 10669 - 2453 = 8216 (C) · 9588 - 3353 = 6235 (K)

Clue 3 (Multiplication facts (1-12)): "THE SNEAK FROZE AT LOUD WHISTLES"

11 × 1 = 11 (T) · 11 × 3 = 33 (Z) · 5 × 10 = 50 (K) · 5 × 2 = 10 (S) · 8 × 6 = 48 (O) · 5 × 5 = 25 (F) · 11 × 9 = 99 (H) · 3 × 5 = 15 (I) · 5 × 7 = 35 (R) · 10 × 8 = 80 (N) · 10 × 12 = 120 (D) · 8 × 11 = 88 (L) · 1 × 8 = 8 (U) · 10 × 7 = 70 (E) · 4 × 4 = 16 (A) · 7 × 7 = 49 (W)

Clue 4 (Word problems): "SLICK BACK"

There were 52 yellow cards. 38 were used up. How many yellow cards are left? = 14 (S) · Coach Miller found 21 yellow cards yesterday and 5 more today. How many yellow cards in all? = 26 (I) · There were 70 team jerseys. 37 were used up. How many team jerseys are left? = 33 (L) · Coach Miller found 19 water bottles yesterday and 13 more today. How many water bottles in all? = 32 (A) · Coach Miller found 32 yellow cards yesterday and 29 more today. How many yellow cards in all? = 61 (K) · Coach Miller found 19 soccer balls yesterday and 55 more today. How many soccer balls in all? = 74 (B) · Coach Miller found 8 team jerseys yesterday and 5 more today. How many team jerseys in all? = 13 (C)

Clue 5 (Division facts (1-12)): surviving statement is box 9 → Son Heung min

20 ÷ 5 = 4 · 99 ÷ 9 = 11 · 56 ÷ 8 = 7 · 50 ÷ 10 = 5 · 8 ÷ 4 = 2 · 32 ÷ 4 = 8 · 11 ÷ 11 = 1 · 48 ÷ 4 = 12 · 9 ÷ 3 = 3 · 60 ÷ 6 = 10 · 42 ÷ 7 = 6