



The Golden Cup Caper

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

Detective: _____ Date: _____

The Golden Cup has been stolen right before the big World Cup Final! The lock on the trophy room was kicked open with super strength. We have gathered the top players in the stadium, but one of them is secretly the thief. Use your soccer detective skills to solve the case!

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 Golden 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	TRICK PLAY	SHOOTING STYLE	HAIR TYPE	WEAKNESS
Danny Header	Super Bicycle Kick	Hidden Smoke	Right Footed	Bright Gold Hair	Smell of Oranges
Tommy Turf	Super Bicycle Kick	Flashy Shoes	Left Footed	Curly Green Hair	Smell of Oranges
Toby Tackle	Rocket Shot	Loud Whistle	Left Footed	Spiky Blue Hair	Squeaky Toys
Sammy Sweep	Rocket Shot	Flashy Shoes	Right Footed	Bright Gold Hair	Ice Water Splash
Gaby Glove	Super Bicycle Kick	Fake Injury	Right Footed	Curly Green Hair	Smell of Oranges
Kiki Goal	Super Bicycle Kick	Hidden Smoke	Right Footed	Bright Gold Hair	Squeaky Toys
Bella Boot	Lightning Dribble	Loud Whistle	Right Footed	Spiky Blue Hair	Ice Water Splash
Timmy Trophy	Lightning Dribble	Glitter Ball	Right Footed	Bright Gold Hair	Smell of Oranges
Clara Corner	Super Bicycle Kick	Loud Whistle	Right Footed	Bright Gold Hair	Ice Water Splash
Rico Spin	Lightning Dribble	Fake Injury	Right Footed	Bright Gold Hair	Ice Water Splash
Nate Striker	Tornado Spin	Fake Injury	Right Footed	Curly Green Hair	Smell of Oranges
Bobby Bench	Tornado Spin	Glitter Ball	Right Footed	Bright Gold Hair	Smell of Oranges
Ollie Offside	Lightning Dribble	Hidden Smoke	Right Footed	Spiky Blue Hair	Smell of Oranges
Sally Save	Rocket Shot	Glitter Ball	Right Footed	Bright Gold Hair	Smell of Oranges
Wendy Winger	Super Bicycle Kick	Flashy Shoes	Right Footed	Bright Gold Hair	Smell of Oranges
Maxie Midfield	Ghost Slide	Flashy Shoes	Left Footed	Curly Green Hair	Squeaky Toys
Zoe Zone	Rocket Shot	Glitter Ball	Left Footed	Bright Gold Hair	Smell of Oranges
Harry Hatrick	Lightning Dribble	Hidden Smoke	Right Footed	Curly Green Hair	Ice Water Splash
Billy Bounce	Super Bicycle Kick	Fake Injury	Left Footed	Bright Gold Hair	Smell of Oranges
Leo Gold	Rocket Shot	Hidden Smoke	Right Footed	Curly Green Hair	Ice Water Splash
Penny Pass	Rocket Shot	Hidden Smoke	Left Footed	Bright Gold Hair	Smell of Oranges

CLUE 1

Rounding

The stadium radar gun tracked the thief fleeing the scene. The screen is old and can only show rounded speed numbers, but it helps us rule out some suspect tricks!

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

<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>			
200	600	400	200	600	70	400	4000	500	60	400	700	20	60	200	3000	700	400
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4000	6000	2000	700	600	800	700	600	60	400	700							

Round 175 to the nearest hundred <input type="text" value="T"/>	Round 654 to the nearest hundred <input type="text" value="S"/>	Round 3,859 to the nearest thousand <input type="text" value="F"/>
Round 64 to the nearest ten <input type="text" value="O"/>	Round 2,783 to the nearest thousand <input type="text" value="B"/>	Round 760 to the nearest hundred <input type="text" value="Y"/>
Round 503 to the nearest hundred <input type="text" value="D"/>	Round 6,280 to the nearest thousand <input type="text" value="L"/>	Round 2,220 to the nearest thousand <input type="text" value="A"/>
Round 22 to the nearest ten <input type="text" value="N"/>	Round 588 to the nearest hundred <input type="text" value="H"/>	Round 66 to the nearest ten <input type="text" value="I"/>
Round 378 to the nearest hundred <input type="text" value="E"/>		

Scratch space:

CLUE 2 Addition

The locker room manager counted all the extra practice balls. He added the new balls to the old ones to find out which foot the thief preferred.

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

T			T								T	T						
402	285	458	402	285	620	458	986	783	285	918	402	402	285	458	272	624	246	246
				T				T										
472	620	912	285	402	986	918	918	402	458	307								

159 + 243 = <input type="text"/>	T	679 + 307 = <input type="text"/>	F	623 + 289 = <input type="text"/>	G
368 + 550 = <input type="text"/>	O	233 + 239 = <input type="text"/>	R	424 + 359 = <input type="text"/>	S
242 + 216 = <input type="text"/>	E	166 + 106 = <input type="text"/>	B	163 + 144 = <input type="text"/>	D
157 + 89 = <input type="text"/>	L	98 + 187 = <input type="text"/>	H	280 + 340 = <input type="text"/>	I
392 + 232 = <input type="text"/>	A				

Scratch space:

CLUE 3

Subtraction

We checked the giant bin of sideline snacks. After subtracting the missing juice boxes, we found a clue about what makes the thief lose their power.

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

T	<input type="text"/>	<input type="text"/>	T	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	T	<input type="text"/>	<input type="text"/>
418	521	343	418	521	571	343	341	341	231	343	355	418	521	343
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
366	393	343	231	231	389	341	389	472	526	626	331	343	366	

$580 - 162 = \square$	T	$871 - 399 = \square$	R	$458 - 92 = \square$	S
$655 - 134 = \square$	H	$959 - 333 = \square$	N	$664 - 309 = \square$	D
$381 - 40 = \square$	F	$723 - 380 = \square$	E	$633 - 302 = \square$	G
$350 - 119 = \square$	L	$484 - 91 = \square$	M	$616 - 45 = \square$	I
$885 - 359 = \square$	A	$415 - 26 = \square$	O		

Scratch space:

CLUE 4

Multiplication facts (1-12)

We looked at the rows of soccer cleats on the drying racks. Multiplying the number of shelves by the boots on each shelf gave us the clue about the thief's hair.

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

W	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
81	4	21	11	1	35	120	90	44	49	56	24	12	56	11	110	120		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
24	5	49	44	5	12	12	24	4	35	4	12							

$9 \times 9 =$ <input type="text"/>	W	$1 \times 5 =$ <input type="text"/>	A	$3 \times 7 =$ <input type="text"/>	F
$12 \times 10 =$ <input type="text"/>	D	$11 \times 4 =$ <input type="text"/>	R	$7 \times 8 =$ <input type="text"/>	G
$9 \times 10 =$ <input type="text"/>	B	$1 \times 12 =$ <input type="text"/>	T	$10 \times 11 =$ <input type="text"/>	L
$1 \times 1 =$ <input type="text"/>	U	$7 \times 7 =$ <input type="text"/>	I	$11 \times 1 =$ <input type="text"/>	O
$4 \times 1 =$ <input type="text"/>	E	$6 \times 4 =$ <input type="text"/>	H	$5 \times 7 =$ <input type="text"/>	N

Scratch space:

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

The team divided up the sports drinks equally among all the players. Sharing them out left us with a key hint to solve this mystery.

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:

$10 \div 2 = \square$

$4 \div 4 = \square$

$6 \div 3 = \square$

$36 \div 12 = \square$

$72 \div 8 = \square$

$30 \div 5 = \square$

$7 \div 1 = \square$

$110 \div 10 = \square$

$56 \div 7 = \square$

$120 \div 10 = \square$

$36 \div 9 = \square$

Step 2 - cross out the sentence with each answer:

1. The villain whirls in a tornado spin, then throws a glitter ball to escape.
2. The villain performs a super bicycle kick, then creates a hidden smoke cloud.
3. The villain blasts a rocket shot, then fakes a bad injury to get away.
4. The villain sweeps into a ghost slide, then blows a loud whistle to distract.
5. The villain blasts a rocket shot, then throws a glitter ball to escape.
6. The villain uses their lightning dribble, then fakes a bad injury to get away.
7. The villain blasts a rocket shot, then runs off in flashy shoes.
8. The villain sweeps into a ghost slide, then runs off in flashy shoes.
9. The villain blasts a rocket shot, then creates a hidden smoke cloud.
10. The villain uses their lightning dribble, then throws a glitter ball to escape.
11. The villain sweeps into a ghost slide, then fakes a bad injury to get away.
12. The villain whirls in a tornado spin, then blows a loud whistle to distract.

Answer Key

The Golden Cup Caper

Culprit: Timmy Trophy

Lightning Dribble · Glitter Ball · Right Footed · Bright Gold Hair · Smell of Oranges

Trail: Start 21 → Clue 1 17 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE THIEF DOES NOT USE FLASHY SHOES"

Round 175 to the nearest hundred = 200 (T) · Round 654 to the nearest hundred = 700 (S) · Round 3,859 to the nearest thousand = 4000 (F) · Round 64 to the nearest ten = 60 (O) · Round 2,783 to the nearest thousand = 3000 (U) · Round 760 to the nearest hundred = 800 (Y) · Round 503 to the nearest hundred = 500 (D) · Round 6,280 to the nearest thousand = 6000 (L) · Round 2,220 to the nearest thousand = 2000 (A) · Round 22 to the nearest ten = 20 (N) · Round 588 to the nearest hundred = 600 (H) · Round 66 to the nearest ten = 70 (I) · Round 378 to the nearest hundred = 400 (E)

Clue 2 (Addition): "THE THIEF SHOT THE BALL RIGHT FOOTED"

$159 + 243 = 402$ (T) · $679 + 307 = 986$ (F) · $623 + 289 = 912$ (G) · $368 + 550 = 918$ (O) · $233 + 239 = 472$ (R) · $424 + 359 = 783$ (S) · $242 + 216 = 458$ (E) · $166 + 106 = 272$ (B) · $163 + 144 = 307$ (D) · $157 + 89 = 246$ (L) · $98 + 187 = 285$ (H) · $280 + 340 = 620$ (I) · $392 + 232 = 624$ (A)

Clue 3 (Subtraction): "THE THIEF FLED THE SMELL OF ORANGES"

$580 - 162 = 418$ (T) · $871 - 399 = 472$ (R) · $458 - 92 = 366$ (S) · $655 - 134 = 521$ (H) · $959 - 333 = 626$ (N) · $664 - 309 = 355$ (D) · $381 - 40 = 341$ (F) · $723 - 380 = 343$ (E) · $633 - 302 = 331$ (G) · $350 - 119 = 231$ (L) · $484 - 91 = 393$ (M) · $616 - 45 = 571$ (I) · $885 - 359 = 526$ (A) · $415 - 26 = 389$ (O)

Clue 4 (Multiplication facts (1-12)): "WE FOUND BRIGHT GOLD HAIR AT THE NET"

$9 \times 9 = 81$ (W) · $1 \times 5 = 5$ (A) · $3 \times 7 = 21$ (F) · $12 \times 10 = 120$ (D) · $11 \times 4 = 44$ (R) · $7 \times 8 = 56$ (G) · $9 \times 10 = 90$ (B) · $1 \times 12 = 12$ (T) · $10 \times 11 = 110$ (L) · $1 \times 1 = 1$ (U) · $7 \times 7 = 49$ (I) · $11 \times 1 = 11$ (O) · $4 \times 1 = 4$ (E) · $6 \times 4 = 24$ (H) · $5 \times 7 = 35$ (N)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → Timmy Trophy

$10 \div 2 = 5$ · $4 \div 4 = 1$ · $6 \div 3 = 2$ · $36 \div 12 = 3$ · $72 \div 8 = 9$ · $30 \div 5 = 6$ · $7 \div 1 = 7$ · $110 \div 10 = 11$ · $56 \div 7 = 8$ · $120 \div 10 = 12$ · $36 \div 9 = 4$