



The Great World Cup Trophy Heist

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

Detective: _____ **Date:** _____

Just hours before the World Cup Final, the championship trophy has vanished! The Head Referee is in a total panic. The thief ran right across the grassy field, leaving a trail of mystery clues behind.

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 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	SUPER POWER	SPECIAL GEAR	PREFERRED FOOT	ON PITCH ACCESSORY	MATCH OBSTACLE
Erling	Magnet Glove Save	Turbo Jersey	Left-footed	White Headband	Soggy Turf
Gavi	Hurricane Slide	Gold Band	Left-footed	White Headband	Yellow Card
Virgil	Super Speed Kick	Glow Ball	Left-footed	Blue Wrist Tape	Soggy Turf
Neymar	Hurricane Slide	Glow Ball	Left-footed	Neon Green Cleats	Loud Whistle
Marcus	Giant Leap Header	Turbo Jersey	Left-footed	Blue Wrist Tape	Yellow Card
Hugo	Hurricane Slide	Water Spray	Left-footed	White Headband	Soggy Turf
Bruno	Hurricane Slide	Turbo Jersey	Left-footed	White Headband	Soggy Turf
Lionel	Magnet Glove Save	Turbo Jersey	Right-footed	Neon Green Cleats	Soggy Turf
Mohamed	Hurricane Slide	Gold Band	Right-footed	Neon Green Cleats	Loud Whistle
Alisson	Magnet Glove Save	Glow Ball	Left-footed	Blue Wrist Tape	Loud Whistle
Pedri	Super Speed Kick	Turbo Jersey	Right-footed	White Headband	Loud Whistle
Kyllian	Hurricane Slide	Water Spray	Left-footed	Blue Wrist Tape	Soggy Turf
Luka	Super Speed Kick	Turbo Jersey	Right-footed	White Headband	Soggy Turf
Son	Magnet Glove Save	Glow Ball	Right-footed	Neon Green Cleats	Soggy Turf
Leroy	Super Speed Kick	Gold Band	Right-footed	Neon Green Cleats	Yellow Card
Jude	Hurricane Slide	Water Spray	Right-footed	White Headband	Soggy Turf
Cristiano	Magnet Glove Save	Turbo Jersey	Right-footed	White Headband	Loud Whistle
Harry	Giant Leap Header	Turbo Jersey	Left-footed	White Headband	Loud Whistle
Robert	Invisible Dribble	Water Spray	Left-footed	Blue Wrist Tape	Loud Whistle
Antoine	Invisible Dribble	Turbo Jersey	Left-footed	White Headband	Soggy Turf
Kevin	Giant Leap Header	Spring Cleats	Left-footed	White Headband	Soggy Turf

CLUE 1 Rounding

The stadium gate computer only works in round numbers, so we have to estimate the fan count to unlock the first clue.

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

T							T									T
4300	30	430	900	50	900	3700	430	9000	4300	1700	300	430	900	370	300	4300

										T				
50	900	430	900	3700	1300	1100	370	7000	9000	500	430	5000	4300	900

Round 4,312 to the nearest hundred →

T

Round 1,264 to the nearest hundred →

R

Round 4,644 to the nearest thousand →

A

Round 3,674 to the nearest hundred →

P

Round 6,972 to the nearest thousand →

G

Round 1,727 to the nearest hundred →

D

Round 9,155 to the nearest thousand →

C

Round 311 to the nearest hundred →

O

Round 856 to the nearest hundred →

S

Round 368 to the nearest ten →

N

Round 431 to the nearest ten →

E

Round 34 to the nearest ten →

H

Round 48 to the nearest ten →

U

Round 1,137 to the nearest hundred →

I

Round 507 to the nearest hundred →

L

Scratch space:

CLUE 2

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

Diagram illustrating the arrangement of 16 boxes in two rows. The top row contains 16 boxes, with the 4th box containing the letter 'T'. The bottom row contains 16 boxes, with the 1st, 10th, and 15th boxes containing the letter 'T'. Numbers are placed below each box.

4799	4909	2011	2216	7807	2216	4238	2011	4180	4799	5135	5629	4180	5135	2216	3930	5629	4799	4909
4799	4909	2011	7048	2011	8379	4799	8379	4413	4413	4799								

$$2490 + 2309 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$5176 + 3203 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$2108 + 3521 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$1994 + 2186 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$2279 + 2134 = \boxed{} \rightarrow \boxed{0}$$

$$2244 + 1686 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$5190 + 2617 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$838 + 1378 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$2854 + 2281 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$2235 + 2674 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$898 + 1113 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$2157 + 4891 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$1408 + 2830 = \boxed{} \rightarrow \boxed{\text{P}}$$

Scratch space:

CLUE 3

Subtraction

We had a stack of penalty flags, but some were stolen, so we must subtract the leftovers to solve this puzzle.

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

T									T	T						
6236	7641	2767	1494	5075	1494	5796	2767	8360	6236	6236	7976	4814	5796	1494	7242	8938

					T			
1494	7242	7661	7661	8448	6236	5075	7976	2584

$9344 - 3108 = \boxed{} \rightarrow \boxed{T}$

$9698 - 2057 = \boxed{} \rightarrow \boxed{H}$

$7041 - 1966 = \boxed{} \rightarrow \boxed{U}$

$9990 - 1542 = \boxed{} \rightarrow \boxed{Y}$

$12005 - 3645 = \boxed{} \rightarrow \boxed{C}$

$8433 - 772 = \boxed{} \rightarrow \boxed{G}$

$4869 - 2285 = \boxed{} \rightarrow \boxed{F}$

$9303 - 3507 = \boxed{} \rightarrow \boxed{P}$

$13772 - 4834 = \boxed{} \rightarrow \boxed{N}$

$5422 - 3928 = \boxed{} \rightarrow \boxed{S}$

$6453 - 1639 = \boxed{} \rightarrow \boxed{I}$

$9226 - 1250 = \boxed{} \rightarrow \boxed{R}$

$11293 - 4051 = \boxed{} \rightarrow \boxed{O}$

$4048 - 1281 = \boxed{} \rightarrow \boxed{E}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

The soccer balls are lined up in neat rows on the grass, making it easy to multiply them and uncover a secret.

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

T									T						
96	50	42	132	110	132	81	42	40	96	49	42	8	10	132	8

			T									
49	50	70	96	42	50	42	8	24	30	8	27	24

$12 \times 8 = \square \rightarrow \text{T}$

$7 \times 7 = \square \rightarrow \text{W}$

$7 \times 6 = \square \rightarrow \text{E}$

$10 \times 7 = \square \rightarrow \text{I}$

$5 \times 8 = \square \rightarrow \text{C}$

$5 \times 6 = \square \rightarrow \text{B}$

$10 \times 1 = \square \rightarrow \text{R}$

$11 \times 12 = \square \rightarrow \text{S}$

$3 \times 9 = \square \rightarrow \text{N}$

$12 \times 2 = \square \rightarrow \text{D}$

$5 \times 10 = \square \rightarrow \text{H}$

$10 \times 11 = \square \rightarrow \text{U}$

$8 \times 1 = \square \rightarrow \text{A}$

$9 \times 9 = \square \rightarrow \text{P}$

Scratch space:

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

We need to divide these sport drink bottles equally among the hungry players to get 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:

$20 \div 10 = \square$

$12 \div 4 = \square$

$32 \div 8 = \square$

$10 \div 2 = \square$

$40 \div 5 = \square$

$3 \div 3 = \square$

$99 \div 11 = \square$

$6 \div 1 = \square$

$132 \div 11 = \square$

$70 \div 7 = \square$

$7 \div 1 = \square$

Step 2 - cross out the sentence with each answer:

1. The villain makes a magnet glove save, then sprays a water bottle splash.
2. The villain makes a magnet glove save, then zooms ahead with a turbo jersey.
3. The villain slides with a hurricane kick, then zooms ahead with a turbo jersey.
4. The villain performs an invisible dribble, then zooms ahead with a turbo jersey.
5. The villain uses a super speed kick, then zooms ahead with a turbo jersey.
6. The villain does a giant leap header, then shines with a golden captain band.
7. The villain performs an invisible dribble, then sprays a water bottle splash.
8. The villain does a giant leap header, then sprays a water bottle splash.
9. The villain makes a magnet glove save, then lights up the pitch with a glow ball.
10. The villain performs an invisible dribble, then lights up the pitch with a glow ball.
11. The villain slides with a hurricane kick, then sprays a water bottle splash.
12. The villain slides with a hurricane kick, then lights up the pitch with a glow ball.

Answer Key

The Great World Cup Trophy Heist

Culprit: Hugo

Hurricane Slide · Water Spray · Left-footed · White Headband · Soggy Turf

Trail: Start 21 → Clue 1 20 → Clue 2 12 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE SUSPECT DOES NOT USE SPRING CLEATS"

Round 4,312 to the nearest hundred = 4300 (T) · Round 1,264 to the nearest hundred = 1300 (R) · Round 4,644 to the nearest thousand = 5000 (A) · Round 3,674 to the nearest hundred = 3700 (P) · Round 6,972 to the nearest thousand = 7000 (G) · Round 1,727 to the nearest hundred = 1700 (D) · Round 9,155 to the nearest thousand = 9000 (C) · Round 311 to the nearest hundred = 300 (O) · Round 856 to the nearest hundred = 900 (S) · Round 368 to the nearest ten = 370 (N) · Round 431 to the nearest ten = 430 (E) · Round 34 to the nearest ten = 30 (H) · Round 48 to the nearest ten = 50 (U) · Round 1,137 to the nearest hundred = 1100 (I) · Round 507 to the nearest hundred = 500 (L)

Clue 2 (Addition): "THE SUSPECT KICKS WITH THE LEFT FOOT"

$2490 + 2309 = 4799$ (T) · $5176 + 3203 = 8379$ (F) · $2108 + 3521 = 5629$ (I) · $1994 + 2186 = 4180$ (C) · $2279 + 2134 = 4413$ (O) · $2244 + 1686 = 3930$ (W) · $5190 + 2617 = 7807$ (U) · $838 + 1378 = 2216$ (S) · $2854 + 2281 = 5135$ (K) · $2235 + 2674 = 4909$ (H) · $898 + 1113 = 2011$ (E) · $2157 + 4891 = 7048$ (L) · $1408 + 2830 = 4238$ (P)

Clue 3 (Subtraction): "THE SUSPECT TRIPS ON SOGGY TURF"

$9344 - 3108 = 6236$ (T) · $9698 - 2057 = 7641$ (H) · $7041 - 1966 = 5075$ (U) · $9990 - 1542 = 8448$ (Y) · $12005 - 3645 = 8360$ (C) · $8433 - 772 = 7661$ (G) · $4869 - 2285 = 2584$ (F) · $9303 - 3507 = 5796$ (P) · $13772 - 4834 = 8938$ (N) · $5422 - 3928 = 1494$ (S) · $6453 - 1639 = 4814$ (I) · $9226 - 1250 = 7976$ (R) · $11293 - 4051 = 7242$ (O) · $4048 - 1281 = 2767$ (E)

Clue 4 (Multiplication facts (1-12)): "THE SUSPECT WEARS A WHITE HEADBAND"

$12 \times 8 = 96$ (T) · $7 \times 7 = 49$ (W) · $7 \times 6 = 42$ (E) · $10 \times 7 = 70$ (I) · $5 \times 8 = 40$ (C) · $5 \times 6 = 30$ (B) · $10 \times 1 = 10$ (R) · $11 \times 12 = 132$ (S) · $3 \times 9 = 27$ (N) · $12 \times 2 = 24$ (D) · $5 \times 10 = 50$ (H) · $10 \times 11 = 110$ (U) · $8 \times 1 = 8$ (A) · $9 \times 9 = 81$ (P)

Clue 5 (Division facts (1-12)): surviving statement is box 11 → Hugo

$20 \div 10 = 2$ · $12 \div 4 = 3$ · $32 \div 8 = 4$ · $10 \div 2 = 5$ · $40 \div 5 = 8$ · $3 \div 3 = 1$ · $99 \div 11 = 9$ · $6 \div 1 = 6$ · $132 \div 11 = 12$ · $70 \div 7 = 10$ · $7 \div 1 = 7$