



The Golden Cup Heist

Grade 5 math · Multiplication, Word problems, Addition, Subtraction, Division · Reading level grades 5-6

Detective: _____ Date: _____

Just hours before the championship final at Starlight Stadium, the prized Golden Cup vanished from the display case! Detective Maya is on the pitch to examine clues and catch the culprit before kick-off.

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 stadium culprit 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 PIECE	DOMINANT FOOT	HAIRSTYLE	PITCH DISTRACTION
Bukayo Saka	Power Header	Weighted Captain Armband	Left Footed	Curly Top Fade	Referees Whistle
Mohamed Salah	Bicycle Kick	Glow In Dark Shin Guards	Right Footed	Spiky Crew Cut	Referees Whistle
Lionel Messi	Power Header	Glow In Dark Shin Guards	Right Footed	Braided Ponytail	Referees Whistle
Rose Lavelle	Curving Corner	Weighted Captain Armband	Left Footed	Curly Top Fade	Referees Whistle
Gavi Paez	Power Header	Glow In Dark Shin Guards	Left Footed	Braided Ponytail	Vuvuzela Horn
Lucy Bronze	Power Header	Padded Goalie Gloves	Right Footed	Spiky Crew Cut	Referees Whistle
Jude Bellingham	Power Header	GPS Tracker Vest	Left Footed	Curly Top Fade	Referees Whistle
Marta Vieira	Chip Shot	Padded Goalie Gloves	Right Footed	Braided Ponytail	Red Penalty Card
Kylian Mbappe	Chip Shot	Glow In Dark Shin Guards	Left Footed	Spiky Crew Cut	Vuvuzela Horn
Trinity Rodman	Chip Shot	High Tech Cleats	Right Footed	Braided Ponytail	Vuvuzela Horn
Megan Rapinoe	Bicycle Kick	Padded Goalie Gloves	Right Footed	Spiky Crew Cut	Referees Whistle
Son Heungmin	Bicycle Kick	Glow In Dark Shin Guards	Left Footed	Spiky Crew Cut	Referees Whistle
Cristiano Ronaldo	Power Header	Weighted Captain Armband	Right Footed	Spiky Crew Cut	Vuvuzela Horn
Christine Sinclair	Knuckleball Free Kick	Glow In Dark Shin Guards	Right Footed	Curly Top Fade	Referees Whistle
Harry Kane	Knuckleball Free Kick	High Tech Cleats	Left Footed	Curly Top Fade	Referees Whistle
Sam Kerr	Knuckleball Free Kick	High Tech Cleats	Left Footed	Curly Top Fade	Vuvuzela Horn
Kevin De Bruyne	Curving Corner	Weighted Captain Armband	Left Footed	Curly Top Fade	Red Penalty Card
Wendie Renard	Curving Corner	Weighted Captain Armband	Right Footed	Curly Top Fade	Vuvuzela Horn
Alex Morgan	Knuckleball Free Kick	Weighted Captain Armband	Left Footed	Curly Top Fade	Referees Whistle
Luka Modric	Bicycle Kick	GPS Tracker Vest	Right Footed	Braided Ponytail	Vuvuzela Horn
Pedri Gonzalez	Chip Shot	Weighted Captain Armband	Left Footed	Spiky Crew Cut	Referees Whistle

Multiplication facts (1-12)

Before the championship match, Coach Marcus calculates the total practice cones set up in equal grid rows across the pitch.

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

The image shows two rows of 15 empty boxes each. In the first row, the 1st box contains a letter 'T' and the number 66 below it. The 10th box contains a letter 'T' and the number 66 below it. The 15th box contains a letter 'T' and the number 66 below it. In the second row, the 10th box contains a letter 'T' and the number 66 below it. The 15th box contains a letter 'T' and the number 66 below it. All other boxes are empty, and the numbers 66 are placed below the boxes containing the letter 'T'.

$$6 \times 11 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$2 \times 2 = \boxed{} \rightarrow \boxed{\mathbf{v}}$$

$$10 \times 10 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$6 \times 9 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$8 \times 8 = \boxed{} \rightarrow \boxed{\text{K}}$$

$2 \times 9 = \boxed{} \rightarrow \boxed{\text{E}}$

$9 \times 5 = \boxed{} \rightarrow \boxed{\text{P}}$

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

$$12 \times 1 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$11 \times 3 = \boxed{} \rightarrow \boxed{W}$$

$10 \times 3 = \boxed{} \rightarrow \boxed{\text{U}}$

$4 \times 7 = \square \rightarrow \boxed{\mathbf{S}}$

$5 \times 11 =$ $\rightarrow$ **A**

$10 \times 2 = \boxed{} \rightarrow \boxed{\mathbf{G}}$

$$7 \times 9 = \boxed{} \rightarrow \boxed{0}$$

$9 \times 10 = \square \rightarrow \boxed{\text{C}}$

Scratch space:

CLUE 2

Word problems

The equipment manager tracks jersey sales at the stadium booth to see how many fans bought gear.

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

A witness saw the villain was

L									
115	99	43	32	43	21	21	32	99	25

Coach found 66 water bottles yesterday and 49 more today. How many water bottles in all?

Answer: → **L**

There were 45 scouting clipboards. 2 were used up. How many scouting clipboards are left?

Answer: → **F**

Coach found 22 corner flags yesterday and 10 more today. How many corner flags in all?

Answer: → **T**

There were 28 corner flags. 3 were used up. How many corner flags are left?

Answer: → **D**

Coach found 82 soccer balls yesterday and 17 more today. How many soccer balls in all?

Answer: → **E**

Coach lined up 3 rows of 7 soccer balls. How many soccer balls in all?

Answer: → **O**

Scratch space:

Addition

At halftime, the statistical tracker sums up the total completed passes from both halves of play.

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

Diagram illustrating the memory layout of a 2D array. The array is represented by two rows of boxes, each containing a memory address. The top row contains 16 boxes, and the bottom row contains 16 boxes. The boxes are arranged in two groups of 8 boxes each. The first group of 8 boxes in the top row has the 9th box (index 9098) highlighted in orange with a red 'T'. The second group of 8 boxes in the top row has the 9th box (index 9098) highlighted in orange with a red 'T'. The first group of 8 boxes in the bottom row has the 9th box (index 9098) highlighted in orange with a red 'T'. The second group of 8 boxes in the bottom row has the 9th box (index 9098) highlighted in orange with a red 'T'.

9098	7640	7924	3772	7129	3772	8252	7924	3466	9098	3085	3454	3772	3772	9098	3716	8252	8252	7924	7805
8318	8004	3454	2448	7924	5446	7924	2448	7924	7924	3772	3085	7640	3588	3772	9098	4235	7924		

$$4969 + 4129 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$3862 + 4142 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$$4015 + 4237 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$4281 + 3359 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$2501 + 1734 = \boxed{} \rightarrow \boxed{\text{L}}$$

$5057 + 2867 = \boxed{} \rightarrow \boxed{\text{E}}$

$$1529 + 2243 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$2361 + 3085 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$906 + 1542 = \boxed{} \rightarrow \boxed{\mathbf{R}}$$

$$1448 + 2018 = \boxed{} \rightarrow \boxed{\text{C}}$$

$1291 + 1794 = \boxed{} \rightarrow \boxed{\text{W}}$

$$3829 + 4489 = \boxed{} \rightarrow \boxed{\text{B}}$$

$$4152 + 2977 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$2300 + 1154 = \boxed{} \rightarrow \boxed{\text{A}}$$

$3568 + 4237 = \boxed{} \rightarrow \boxed{\mathbf{D}}$

$$1460 + 2128 = \boxed{} \rightarrow \boxed{}$$

$$1525 + 2191 = \boxed{} \rightarrow \boxed{\text{O}}$$

Scratch space:

CLUE 4
Subtraction

The head referee checks the timer to find the difference between standard regulation time and final stoppage time.

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

S																S
3304	6469	7253	1519	4606	5047	3767	1946	7253	3131	4679	6469	4606	3131	3304		
7253	3131	8252	3767	1519	4606	6469	4008	3131	7253	1519	4606	6250	1946	3767	4167	8252
5867	3131	4008	6469													

5661 - 2357 = → S	4871 - 1740 = → A	7771 - 1904 = → F
11592 - 4339 = → C	5068 - 3549 = → U	6501 - 2734 = → T
6987 - 2381 = → R	9115 - 4436 = → M	8898 - 3851 = → I
10047 - 3578 = → E	7836 - 3669 = → O	3222 - 1276 = → Y
8465 - 4457 = → D	11038 - 4788 = → L	9344 - 1092 = → P

Scratch space:

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

After the trophy ceremony, the team manager divides orange slices equally among all players in the locker room.

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:

$72 \div 12 = \boxed{}$

$4 \div 4 = \boxed{}$

$22 \div 11 = \boxed{}$

$48 \div 6 = \boxed{}$

$77 \div 11 = \boxed{}$

$60 \div 6 = \boxed{}$

$6 \div 2 = \boxed{}$

$99 \div 11 = \boxed{}$

$144 \div 12 = \boxed{}$

$88 \div 8 = \boxed{}$

$50 \div 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain bent a knuckleball free kick, then laced up high tech cleats.
2. The villain bent a knuckleball free kick, then tightened a weighted captain armband.
3. The villain scored with a bicycle kick, then adjusted their padded goalie gloves.
4. The villain snapped in a power header, then tightened a weighted captain armband.
5. The villain snapped in a power header, then laced up high tech cleats.
6. The villain curled in a curving corner, then tightened a weighted captain armband.
7. The villain lofted a sneaky chip shot, then laced up high tech cleats.
8. The villain curled in a curving corner, then adjusted their padded goalie gloves.
9. The villain lofted a sneaky chip shot, then adjusted their padded goalie gloves.
10. The villain lofted a sneaky chip shot, then checked their gps tracker vest.
11. The villain curled in a curving corner, then laced up high tech cleats.
12. The villain snapped in a power header, then flashed their glow in dark shin guards.

Answer Key

The Golden Cup Heist

Culprit: Bukayo Saka

Power Header · Weighted Captain Armband · Left Footed · Curly Top Fade · Referees Whistle

Trail: Start 21 → Clue 1 19 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE SUSPECT DOES NOT WEAR A GPS TRACKER VEST"

$6 \times 11 = 66$ (T) · $2 \times 2 = 4$ (V) · $10 \times 10 = 100$ (N) · $6 \times 9 = 54$ (R) · $8 \times 8 = 64$ (K) · $2 \times 9 = 18$ (E) · $9 \times 5 = 45$ (P) · $11 \times 1 = 11$ (D) · $12 \times 1 = 12$ (H) · $11 \times 3 = 33$ (W) · $10 \times 3 = 30$ (U) · $4 \times 7 = 28$ (S) · $5 \times 11 = 55$ (A) · $10 \times 2 = 20$ (G) · $7 \times 9 = 63$ (O) · $9 \times 10 = 90$ (C)

Clue 2 (Word problems): "LEFT FOOTED"

Coach found 66 water bottles yesterday and 49 more today. How many water bottles in all? = 115 (L) · There were 45 scouting clipboards. 2 were used up. How many scouting clipboards are left? = 43 (F) · Coach found 22 corner flags yesterday and 10 more today. How many corner flags in all? = 32 (T) · There were 28 corner flags. 3 were used up. How many corner flags are left? = 25 (D) · Coach found 82 soccer balls yesterday and 17 more today. How many soccer balls in all? = 99 (E) · Coach lined up 3 rows of 7 soccer balls. How many soccer balls in all? = 21 (O)

Clue 3 (Addition): "THE SUSPECT WAS STOPPED BY A REFEREES WHISTLE"

$4969 + 4129 = 9098$ (T) · $3862 + 4142 = 8004$ (Y) · $4015 + 4237 = 8252$ (P) · $4281 + 3359 = 7640$ (H) · $2501 + 1734 = 4235$ (L) · $5057 + 2867 = 7924$ (E) · $1529 + 2243 = 3772$ (S) · $2361 + 3085 = 5446$ (F) · $906 + 1542 = 2448$ (R) · $1448 + 2018 = 3466$ (C) · $1291 + 1794 = 3085$ (W) · $3829 + 4489 = 8318$ (B) · $4152 + 2977 = 7129$ (U) · $2300 + 1154 = 3454$ (A) · $3568 + 4237 = 7805$ (D) · $1460 + 2128 = 3588$ (I) · $1525 + 2191 = 3716$ (O)

Clue 4 (Subtraction): "SECURITY CAMERAS CAPTURED A CURLY TOP FADE"

$5661 - 2357 = 3304$ (S) · $4871 - 1740 = 3131$ (A) · $7771 - 1904 = 5867$ (F) · $11592 - 4339 = 7253$ (C) · $5068 - 3549 = 1519$ (U) · $6501 - 2734 = 3767$ (T) · $6987 - 2381 = 4606$ (R) · $9115 - 4436 = 4679$ (M) · $8898 - 3851 = 5047$ (I) · $10047 - 3578 = 6469$ (E) · $7836 - 3669 = 4167$ (O) · $3222 - 1276 = 1946$ (Y) · $8465 - 4457 = 4008$ (D) · $11038 - 4788 = 6250$ (L) · $9344 - 1092 = 8252$ (P)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Bukayo Saka

$72 \div 12 = 6$ · $4 \div 4 = 1$ · $22 \div 11 = 2$ · $48 \div 6 = 8$ · $77 \div 11 = 7$ · $60 \div 6 = 10$ · $6 \div 2 = 3$ · $99 \div 11 = 9$ · $144 \div 12 = 12$ · $88 \div 8 = 11$ · $50 \div 10 = 5$