



The Golden Cleat Heist

Grade 4 math · Addition, Rounding, Subtraction, Multiplication, Division · Reading level grades 5-6

Detective: _____ Date: _____

The legendary Golden Cleat trophy has been swiped right from the display case at Wembley Stadium! A rogue player snuck into the locker rooms and took it. It's up to you to crack the case before the final whistle!

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 rogue player 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	SUPER POWER-UP	STANCE	BAND COLOR	TACTICAL FLAW
Jude Bellingham	Stepover Dribble	Super Speed Boots	Right Footed	Neon Blue Band	Hates Loud Referee Whistles
Luka Modric	Stepover Dribble	Magnetic Shin Guards	Right Footed	Neon Blue Band	Afraid Of Muddy Fields
Bruno Fernandes	Rabona Pass	Super Speed Boots	Right Footed	Neon Blue Band	Easily Distracted By Snacks
Erling Haaland	Stepover Dribble	Sticky Goalie Gloves	Right Footed	Neon Blue Band	Afraid Of Muddy Fields
Chloe Kelly	Stepover Dribble	Laser Vision Visor	Right Footed	Neon Blue Band	Easily Distracted By Snacks
Sam Kerr	Rainbow Flick	Magnetic Shin Guards	Right Footed	Neon Blue Band	Hates Loud Referee Whistles
Virgil van Dijk	Rainbow Flick	Magnetic Shin Guards	Right Footed	Neon Blue Band	Easily Distracted By Snacks
Phil Foden	Rabona Pass	Laser Vision Visor	Right Footed	Neon Green Band	Afraid Of Muddy Fields
Alex Morgan	Bicycle Kick	Laser Vision Visor	Right Footed	Neon Green Band	Afraid Of Muddy Fields
Antoine Griezmann	Knuckleball Shot	Laser Vision Visor	Right Footed	Bright Red Band	Afraid Of Muddy Fields
Harry Kane	Bicycle Kick	Sticky Goalie Gloves	Right Footed	Bright Red Band	Afraid Of Muddy Fields
Marcus Rashford	Rainbow Flick	Sticky Goalie Gloves	Right Footed	Bright Red Band	Hates Loud Referee Whistles
Megan Rapinoe	Knuckleball Shot	Magnetic Shin Guards	Right Footed	Neon Blue Band	Easily Distracted By Snacks
Bukayo Saka	Stepover Dribble	Magnetic Shin Guards	Right Footed	Neon Green Band	Easily Distracted By Snacks
Declan Rice	Stepover Dribble	Windup Spring Cleats	Left Footed	Bright Red Band	Afraid Of Muddy Fields
Jack Grealish	Stepover Dribble	Windup Spring Cleats	Left Footed	Neon Blue Band	Easily Distracted By Snacks
Alisson Becker	Rainbow Flick	Super Speed Boots	Right Footed	Neon Blue Band	Easily Distracted By Snacks
Lionel Messi	Stepover Dribble	Windup Spring Cleats	Right Footed	Bright Red Band	Easily Distracted By Snacks
Kevin De Bruyne	Bicycle Kick	Super Speed Boots	Right Footed	Bright Red Band	Hates Loud Referee Whistles
Lucy Bronze	Knuckleball Shot	Windup Spring Cleats	Right Footed	Neon Green Band	Hates Loud Referee Whistles
Kylian Mbappe	Rainbow Flick	Laser Vision Visor	Left Footed	Neon Green Band	Afraid Of Muddy Fields

CLUE 1

Coach Kelly needs to count the total soccer balls in the equipment bins before we can check the security cameras. Let's add them up to unlock the first clue.

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

Diagram showing the arrangement of 24 numbered boxes in two rows. The top row has 12 boxes, and the bottom row has 12 boxes. The boxes are numbered 8591, 9484, 9665, 5907, 4469, 5907, 5925, 9665, 5803, 8591, 3051, 3535, 9665, 5907, 6030, 3535, 8591. The boxes with numbers 8591 and 9665 are highlighted in orange.

$$3381 + 5210 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$1021 + 1370 = \boxed{} \rightarrow \boxed{\mathbf{R}}$$

$$2497 + 3533 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$1124 + 1538 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$2452 + 3267 = \boxed{} \rightarrow \boxed{\mathbf{V}}$$

$$2321 + 1214 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$2191 + 3734 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$3909 + 1998 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$4824 + 3541 = \boxed{} \rightarrow \boxed{\mathbf{A}}$$

$$4861 + 4804 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$4915 + 3273 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$1224 + 908 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$3838 + 5646 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$1715 + 1336 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$2278 + 2191 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$3590 + 2213 = \boxed{} \rightarrow \boxed{\text{C}}$$

Scratch space:

CLUE 2 Rounding

The digital radar gun clocked a player sprinting near the trophy room, but the screen only displays speed rounded to the nearest ten. Round the numbers to decode the next lead.

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

T																			
900	3000	170	230	4300	1700	30	30	3700	1700	30	2000	500	130	2000	170	90	200	7000	
					T				T										
1700	4300	500	230	3000	900	370	290	290	900	170	90	20	110	1700	7000	170	4300		

Round 947 to the nearest hundred → **T**

Round 372 to the nearest ten → **F**

Round 287 to the nearest ten → **O**

Round 2,065 to the nearest thousand → **K**

Round 4,320 to the nearest hundred → **R**

Round 3,690 to the nearest hundred → **W**

Round 17 to the nearest ten → **P**

Round 6,924 to the nearest thousand → **Y**

Round 86 to the nearest ten → **D**

Round 129 to the nearest ten → **C**

Round 29 to the nearest ten → **S**

Round 1,735 to the nearest hundred → **A**

Round 106 to the nearest ten → **L**

Round 3,061 to the nearest thousand → **H**

Round 229 to the nearest ten → **G**

Round 168 to the nearest ten → **E**

Round 232 to the nearest hundred → **B**

Round 494 to the nearest hundred → **I**

Scratch space:

CLUE 3 Subtraction

Some training bibs have gone missing from the locker room bins. If we find the difference between the starting count and what is left, we can reveal a witness statement.

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

T							T	T							T	
3416	7114	6974	1884	5161	6974	5972	3416	3416	7114	6974	3045	8685	6974	7934	6974	3416 8357
2487	6779	7698	8561	4881	1645	1524	1524	7698	3045	5161	1645	8685	6974	3045		

5279 - 1863 = → T	9872 - 4711 = → L	4582 - 2698 = → Y
6332 - 3845 = → G	9499 - 3527 = → F	10843 - 2282 = → B
7441 - 467 = → E	6381 - 3336 = → S	8496 - 3615 = → P
6124 - 4600 = → Z	10887 - 4108 = → R	10042 - 1357 = → C
10618 - 2261 = → O	11864 - 4750 = → H	11463 - 3765 = → A
3652 - 2007 = → I	12163 - 4229 = → N	

Scratch space:

CLUE 4

Multiplication facts (1-12)

The stadium groundskeepers laid out new training cones in equal rows on the practice field. Let's multiply the rows to find the secret message hidden underneath.

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

A				A													A	
18	15	12	64	18	49	36	88	55	27	36	55	144	80	16	27	40	18	15
								A										
110	64	36	49	49	27	110	55	27	18	64	12	14	27	55	27	12		

$9 \times 2 = \square \rightarrow \boxed{\text{A}}$

$7 \times 7 = \square \rightarrow \boxed{\text{P}}$

$6 \times 6 = \square \rightarrow \boxed{\text{O}}$

$3 \times 9 = \square \rightarrow \boxed{\text{E}}$

$5 \times 3 = \square \rightarrow \boxed{\text{S}}$

$8 \times 8 = \square \rightarrow \boxed{\text{R}}$

$6 \times 2 = \square \rightarrow \boxed{\text{T}}$

$10 \times 11 = \square \rightarrow \boxed{\text{D}}$

$2 \times 7 = \square \rightarrow \boxed{\text{H}}$

$4 \times 4 = \square \rightarrow \boxed{\text{U}}$

$8 \times 10 = \square \rightarrow \boxed{\text{L}}$

$4 \times 10 = \square \rightarrow \boxed{\text{W}}$

$12 \times 12 = \square \rightarrow \boxed{\text{B}}$

$8 \times 11 = \square \rightarrow \boxed{\text{F}}$

$5 \times 11 = \square \rightarrow \boxed{\text{N}}$

Scratch space:

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

We need to divide the extra soccer jerseys equally among the youth teams. Solve the division to uncover the final piece of evidence.

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:

$80 \div 10 = \boxed{}$

$30 \div 10 = \boxed{}$

$14 \div 7 = \boxed{}$

$33 \div 3 = \boxed{}$

$42 \div 7 = \boxed{}$

$24 \div 2 = \boxed{}$

$99 \div 11 = \boxed{}$

$2 \div 2 = \boxed{}$

$25 \div 5 = \boxed{}$

$50 \div 5 = \boxed{}$

$56 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain bypassed the security guards, then vaulted over the high fence.
2. The villain blasted a shot into the lights, then clung to the metal ceiling with magnetic guards.
3. The villain flicked the ball over the wall, then escaped using super speed.
4. The villain flicked the ball over the wall, then clung to the metal ceiling with magnetic guards.
5. The villain sprinted past the corner flag, then vaulted over the high fence.
6. The villain bypassed the security guards, then sprung high into the stadium rafters.
7. The villain sprinted past the corner flag, then blinded the cameras with a bright flash.
8. The villain bypassed the security guards, then escaped using super speed.
9. The villain dashed across the pitch, then escaped using super speed.
10. The villain sprinted past the corner flag, then clung to the metal ceiling with magnetic guards.
11. The villain dashed across the pitch, then vaulted over the high fence.
12. The villain blasted a shot into the lights, then escaped using super speed.

Answer Key

The Golden Cleat Heist

Culprit: Virgil van Dijk

Rainbow Flick · Magnetic Shin Guards · Right Footed · Neon Blue Band · Easily Distracted By Snacks

Trail: Start 21 → Clue 1 16 → Clue 2 14 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SUSPECT DOES NOT WEAR A LASER VISOR"

$3381 + 5210 = 8591$ (T) · $1021 + 1370 = 2391$ (R) · $2497 + 3533 = 6030$ (N) · $1124 + 1538 = 2662$ (I) · $2452 + 3267 = 5719$ (V) · $2321 + 1214 = 3535$ (O) · $2191 + 3734 = 5925$ (P) · $3909 + 1998 = 5907$ (S) · $4824 + 3541 = 8365$ (A) · $4861 + 4804 = 9665$ (E) · $4915 + 3273 = 8188$ (L) · $1224 + 908 = 2132$ (W) · $3838 + 5646 = 9484$ (H) · $1715 + 1336 = 3051$ (D) · $2278 + 2191 = 4469$ (U) · $3590 + 2213 = 5803$ (C)

Clue 2 (Rounding): "THE GRASS WAS KICKED BY A RIGHT FOOTED PLAYER"

Round 947 to the nearest hundred = 900 (T) · Round 372 to the nearest ten = 370 (F) · Round 287 to the nearest ten = 290 (O) · Round 2,065 to the nearest thousand = 2000 (K) · Round 4,320 to the nearest hundred = 4300 (R) · Round 3,690 to the nearest hundred = 3700 (W) · Round 17 to the nearest ten = 20 (P) · Round 6,924 to the nearest thousand = 7000 (Y) · Round 86 to the nearest ten = 90 (D) · Round 129 to the nearest ten = 130 (C) · Round 29 to the nearest ten = 30 (S) · Round 1,735 to the nearest hundred = 1700 (A) · Round 106 to the nearest ten = 110 (L) · Round 3,061 to the nearest thousand = 3000 (H) · Round 229 to the nearest ten = 230 (G) · Round 168 to the nearest ten = 170 (E) · Round 232 to the nearest hundred = 200 (B) · Round 494 to the nearest hundred = 500 (I)

Clue 3 (Subtraction): "THEY LEFT THE SCENE TO GRAB PIZZA SLICES"

$5279 - 1863 = 3416$ (T) · $9872 - 4711 = 5161$ (L) · $4582 - 2698 = 1884$ (Y) · $6332 - 3845 = 2487$ (G) · $9499 - 3527 = 5972$ (F) · $10843 - 2282 = 8561$ (B) · $7441 - 467 = 6974$ (E) · $6381 - 3336 = 3045$ (S) · $8496 - 3615 = 4881$ (P) · $6124 - 4600 = 1524$ (Z) · $10887 - 4108 = 6779$ (R) · $10042 - 1357 = 8685$ (C) · $10618 - 2261 = 8357$ (O) · $11864 - 4750 = 7114$ (H) · $11463 - 3765 = 7698$ (A) · $3652 - 2007 = 1645$ (I) · $12163 - 4229 = 7934$ (N)

Clue 4 (Multiplication facts (1-12)): "A STRAP OF NEON BLUE WAS DROPPED NEAR THE NET"

$9 \times 2 = 18$ (A) · $7 \times 7 = 49$ (P) · $6 \times 6 = 36$ (O) · $3 \times 9 = 27$ (E) · $5 \times 3 = 15$ (S) · $8 \times 8 = 64$ (R) · $6 \times 2 = 12$ (T) · $10 \times 11 = 110$ (D) · $2 \times 7 = 14$ (H) · $4 \times 4 = 16$ (U) · $8 \times 10 = 80$ (L) · $4 \times 10 = 40$ (W) · $12 \times 12 = 144$ (B) · $8 \times 11 = 88$ (F) · $5 \times 11 = 55$ (N)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Virgil van Dijk

$80 \div 10 = 8$ · $30 \div 10 = 3$ · $14 \div 7 = 2$ · $33 \div 3 = 11$ · $42 \div 7 = 6$ · $24 \div 2 = 12$ · $99 \div 11 = 9$ · $2 \div 2 = 1$ · $25 \div 5 = 5$ · $50 \div 5 = 10$ · $56 \div 8 = 7$