



The Strikers League Trophy Mystery

Grade 5 math · Fractions of a number, Order of operations, Multiplication, Rounding, Division · Reading level grades 5-6

Detective: _____ Date: _____

Minutes before the championship kick off the golden league trophy vanished from the Strikers Arena display case. Detective, solve the math clues to identify the culprit among the star players.

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	WARMUP GEAR	KICKING FOOT	HAIRSTYLE	DISTRACTION
Pedri Gonzalez	Speed Dribble	Neon Cleats	Left Footed	Braided Top	Loud Horns
Bukayo Saka	Curved Kick	Captain Armband	Left Footed	Buzz Cut	Loud Horns
Kylian Mbappe	Slide Tackle	Neon Cleats	Left Footed	Buzz Cut	Loud Horns
Sam Kerr	Bicycle Kick	Weighted Vest	Right Footed	Spiky Cut	Wet Grass
Christian Pulisic	Speed Dribble	Neon Cleats	Left Footed	Braided Top	Wet Grass
Erling Haaland	Bicycle Kick	Padded Gloves	Right Footed	Spiky Cut	Wet Grass
Alex Morgan	Curved Kick	Weighted Vest	Left Footed	Braided Top	Bright Lights
Chloe Kelly	Bicycle Kick	Neon Cleats	Left Footed	Buzz Cut	Wet Grass
Alphonso Davies	Bicycle Kick	Weighted Vest	Right Footed	Braided Top	Bright Lights
Luka Modric	Bicycle Kick	Neon Cleats	Left Footed	Braided Top	Bright Lights
Kevin De Bruyne	Curved Kick	Padded Gloves	Right Footed	Spiky Cut	Bright Lights
Salma Paralluelo	Slide Tackle	Neon Cleats	Left Footed	Buzz Cut	Bright Lights
Marta Silva	Slide Tackle	Padded Gloves	Left Footed	Braided Top	Loud Horns
Saki Kumagai	Speed Dribble	Captain Armband	Left Footed	Braided Top	Bright Lights
Aitana Bonmati	Curved Kick	Gold Whistle	Right Footed	Braided Top	Bright Lights
Wendie Renard	Curved Kick	Neon Cleats	Left Footed	Braided Top	Bright Lights
Son Heung min	Power Header	Gold Whistle	Left Footed	Braided Top	Bright Lights
Jude Bellingham	Slide Tackle	Padded Gloves	Right Footed	Spiky Cut	Wet Grass
Lucy Bronze	Bicycle Kick	Captain Armband	Right Footed	Buzz Cut	Wet Grass
Virgil van Dijk	Speed Dribble	Padded Gloves	Left Footed	Braided Top	Loud Horns
Megan Rapinoe	Speed Dribble	Captain Armband	Left Footed	Braided Top	Loud Horns

Fractions of a number

The locker room keypad needs a passcode derived from taking a fraction of the total gear bags logged in the stadium inventory.

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

A 2x10 grid of boxes. The top row contains the following sequence: 'T' (orange), empty, empty, empty, empty, empty, empty, empty, 'T' (orange), empty, empty, empty, empty, empty, empty, empty, 'T' (orange). Below these boxes are the numbers: 3, 31, 12, 25, 30, 25, 14, 12, 10, 3, 40, 35, 12, 25, 6, 35, 3. The bottom row contains the following sequence: empty, empty, empty, empty, empty, empty, empty, empty, empty, empty, empty, empty, empty, 'T' (orange), empty, empty. Below these boxes are the numbers: 32, 12, 24, 37, 24, 22, 35, 13, 40, 32, 31, 17, 25, 3, 13, 12.

2/10 of 15 = → **T**

$$1/8 \text{ of } 136 = \boxed{} \rightarrow \boxed{}$$

$2/8$ of $96 = \boxed{} \rightarrow \boxed{\text{A}}$

$$2/8 \text{ of } 120 = \boxed{} \rightarrow \boxed{\mathbf{U}}$$

$2/5$ of 30 = $\rightarrow$ **E**

4/8 of 62 = → **H**

$2/5$ of $25 = \boxed{} \rightarrow \boxed{\text{C}}$

$$3/10 \text{ of } 20 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$2/6 \text{ of } 120 = \boxed{} \rightarrow \boxed{\mathbf{D}}$$

4/8 of 64 = → **W**

$$5/10 \text{ of } 50 = \boxed{} \rightarrow \boxed{\text{S}}$$

4/8 of 74 = → **R**

$\frac{1}{4}$ of 140 = $\rightarrow$

$$2/4 \text{ of } 28 = \boxed{} \rightarrow \boxed{\text{P}}$$

5/10 of 26 = → **L**

5/10 of 44 = → **G**

Scratch space:

CLUE 2
Order of operations

To unlock the security kiosk, you must follow the correct order of operations on the stadium computer screen.

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

W									W									
53	75	20	71	52	51	51	51	62	53	62	66	52	64	20				
64	57	57	20	52	73	51	20	48	75	44	52	48	57	71	20	62	80	52

$38 + 5 \times 3 = \boxed{} \rightarrow \boxed{\text{W}}$

$49 + 8 \times 3 = \boxed{} \rightarrow \boxed{\text{D}}$

$6 \times 10 - 9 = \boxed{} \rightarrow \boxed{\text{S}}$

$9 \times 8 - 8 = \boxed{} \rightarrow \boxed{\text{F}}$

$12 \times 7 - 13 = \boxed{} \rightarrow \boxed{\text{N}}$

$4 + 8 \times 5 = \boxed{} \rightarrow \boxed{\text{K}}$

$10 + 7 \times 6 = \boxed{} \rightarrow \boxed{\text{E}}$

$10 \times 10 - 25 = \boxed{} \rightarrow \boxed{\text{I}}$

$12 \times 4 - 28 = \boxed{} \rightarrow \boxed{\text{T}}$

$7 \times 12 - 22 = \boxed{} \rightarrow \boxed{\text{A}}$

$5 \times 12 - 3 = \boxed{} \rightarrow \boxed{\text{O}}$

$8 \times 12 - 16 = \boxed{} \rightarrow \boxed{\text{P}}$

$9 \times 9 - 15 = \boxed{} \rightarrow \boxed{\text{L}}$

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

Scratch space:

CLUE 3
Multiplication facts (1-12)

The field manager calculated the total practice cones arranged in equal rows across the training turf.

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

T																
144	36	63	1	35	48	54	63	70	20	36	120	63	35	27	63	27

												T								T	
63	54	63	20	80	70	55	6	99	70	120	11	36	144	35	120	11	36	144	20		

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

$9 \times 7 = \square \rightarrow \boxed{\text{E}}$

$1 \times 1 = \square \rightarrow \boxed{\text{P}}$

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

$10 \times 12 = \square \rightarrow \boxed{\text{I}}$

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

$7 \times 5 = \square \rightarrow \boxed{\text{L}}$

$1 \times 11 = \square \rightarrow \boxed{\text{G}}$

$6 \times 8 = \square \rightarrow \boxed{\text{A}}$

$6 \times 9 = \square \rightarrow \boxed{\text{Y}}$

$9 \times 4 = \square \rightarrow \boxed{\text{H}}$

$7 \times 10 = \square \rightarrow \boxed{\text{R}}$

$9 \times 11 = \square \rightarrow \boxed{\text{B}}$

$4 \times 5 = \square \rightarrow \boxed{\text{S}}$

$6 \times 1 = \square \rightarrow \boxed{\text{M}}$

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

Scratch space:

CLUE 4 Rounding

The digital stadium scoreboard only displays attendance numbers rounded to the nearest thousand.

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

S															
2300	3700	200	700	130	20	5000	50	4300	500	700	2900	900	1700		

										S								
70	130	1700	20	900	3700	900	230	1700	20	130	2300	5000	130	1700	2900	900	1700	5000

S				
2300	200	3700	2900	3700

Round 2,347 to the nearest hundred → S

Round 3,734 to the nearest hundred → E

Round 4,953 to the nearest thousand → T

Round 131 to the nearest ten → R

Round 53 to the nearest ten → Y

Round 2,912 to the nearest hundred → N

Round 497 to the nearest hundred → O

Round 730 to the nearest hundred → U

Round 193 to the nearest hundred → C

Round 17 to the nearest ten → I

Round 852 to the nearest hundred → D

Round 71 to the nearest ten → B

Round 233 to the nearest ten → H

Round 4,342 to the nearest hundred → F

Round 1,734 to the nearest hundred → A

Scratch space:

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

The referee divided the restocked soccer balls equally among the tournament warmup racks.

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:

$56 \div 7 = \boxed{}$

$36 \div 9 = \boxed{}$

$12 \div 1 = \boxed{}$

$55 \div 11 = \boxed{}$

$6 \div 3 = \boxed{}$

$10 \div 1 = \boxed{}$

$11 \div 1 = \boxed{}$

$12 \div 12 = \boxed{}$

$42 \div 7 = \boxed{}$

$12 \div 4 = \boxed{}$

$45 \div 5 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain dribbled past three defenders, then laced up neon cleats.
2. The villain executed a flawless bicycle kick, then fastened the captain armband.
3. The villain performed a clean slide tackle, then strapped on padded gloves.
4. The villain curved a bending shot into the net, then adjusted a weighted vest.
5. The villain performed a clean slide tackle, then blew a loud gold whistle.
6. The villain executed a flawless bicycle kick, then adjusted a weighted vest.
7. The villain executed a flawless bicycle kick, then laced up neon cleats.
8. The villain curved a bending shot into the net, then laced up neon cleats.
9. The villain headed the ball off the crossbar, then fastened the captain armband.
10. The villain headed the ball off the crossbar, then adjusted a weighted vest.
11. The villain executed a flawless bicycle kick, then strapped on padded gloves.
12. The villain dribbled past three defenders, then fastened the captain armband.

Answer Key

The Strikers League Trophy Mystery

Culprit: Luka Modric

Bicycle Kick · Neon Cleats · Left Footed · Braided Top · Bright Lights

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

Clue 1 (Fractions of a number): "THE SUSPECT DOES NOT WEAR A GOLD WHISTLE"

$2/10$ of 15 = 3 (T) · $1/8$ of 136 = 17 (I) · $2/8$ of 96 = 24 (A) · $2/8$ of 120 = 30 (U) · $2/5$ of 30 = 12 (E) · $4/8$ of 62 = 31 (H) · $2/5$ of 25 = 10 (C) · $3/10$ of 20 = 6 (N) · $2/6$ of 120 = 40 (D) · $4/8$ of 64 = 32 (W) · $5/10$ of 50 = 25 (S) · $4/8$ of 74 = 37 (R) · $1/4$ of 140 = 35 (O) · $2/4$ of 28 = 14 (P) · $5/10$ of 26 = 13 (L) · $5/10$ of 44 = 22 (G)

Clue 2 (Order of operations): "WITNESS SAW A LEFT FOOTED STRIKER ON TAPE"

$38 + 5 \times 3 = 53$ (W) · $49 + 8 \times 3 = 73$ (D) · $6 \times 10 - 9 = 51$ (S) · $9 \times 8 - 8 = 64$ (F) · $12 \times 7 - 13 = 71$ (N) · $4 + 8 \times 5 = 44$ (K) · $10 + 7 \times 6 = 52$ (E) · $10 \times 10 - 25 = 75$ (I) · $12 \times 4 - 28 = 20$ (T) · $7 \times 12 - 22 = 62$ (A) · $5 \times 12 - 3 = 57$ (O) · $8 \times 12 - 16 = 80$ (P) · $9 \times 9 - 15 = 66$ (L) · $9 \times 6 - 6 = 48$ (R)

Clue 3 (Multiplication facts (1-12)): "THE PLAYER SHIELDED EYES FROM BRIGHT LIGHTS"

$12 \times 12 = 144$ (T) · $9 \times 7 = 63$ (E) · $1 \times 1 = 1$ (P) · $5 \times 11 = 55$ (O) · $10 \times 12 = 120$ (I) · $10 \times 8 = 80$ (F) · $7 \times 5 = 35$ (L) · $1 \times 11 = 11$ (G) · $6 \times 8 = 48$ (A) · $6 \times 9 = 54$ (Y) · $9 \times 4 = 36$ (H) · $7 \times 10 = 70$ (R) · $9 \times 11 = 99$ (B) · $4 \times 5 = 20$ (S) · $6 \times 1 = 6$ (M) · $3 \times 9 = 27$ (D)

Clue 4 (Rounding): "SECURITY FOUND A BRAIDED HAIR STRAND AT SCENE"

Round 2,347 to the nearest hundred = 2300 (S) · Round 3,734 to the nearest hundred = 3700 (E) · Round 4,953 to the nearest thousand = 5000 (T) · Round 131 to the nearest ten = 130 (R) · Round 53 to the nearest ten = 50 (Y) · Round 2,912 to the nearest hundred = 2900 (N) · Round 497 to the nearest hundred = 500 (O) · Round 730 to the nearest hundred = 700 (U) · Round 193 to the nearest hundred = 200 (C) · Round 17 to the nearest ten = 20 (I) · Round 852 to the nearest hundred = 900 (D) · Round 71 to the nearest ten = 70 (B) · Round 233 to the nearest ten = 230 (H) · Round 4,342 to the nearest hundred = 4300 (F) · Round 1,734 to the nearest hundred = 1700 (A)

Clue 5 (Division facts (1-12)): surviving statement is box 7 → Luka Modric

$56 \div 7 = 8$ · $36 \div 9 = 4$ · $12 \div 1 = 12$ · $55 \div 11 = 5$ · $6 \div 3 = 2$ · $10 \div 1 = 10$ · $11 \div 1 = 11$ · $12 \div 12 = 1$ · $42 \div 7 = 6$ · $12 \div 4 = 3$ · $45 \div 5 = 9$