The Golden Whistle Heist

Grade 6 math · Addition, Percentages, Exponents, Order of operations, Division · Reading level grades 7-9

Detective: _____ **Date:** _____

During the championship final at St. Jude International Stadium, someone sabotaged the turf master control system and snatched the Golden Whistle trophy right out of the official lounge. Detective, analyze the physical evidence left on the pitch to identify the culprit before the post-game ceremony!

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 referee is _____

Possible suspects

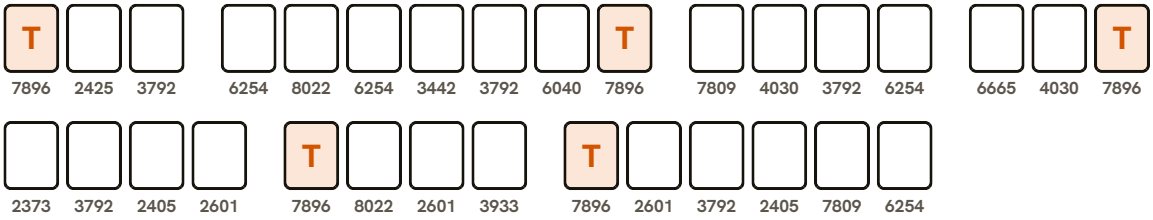
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE MOVE	CLEAT STYLE	STANCE	HEADBAND COLOR	CARD PENALTY
Pedri Gonzalez	rabona pass	molded cones	right footed	royal blue	VAR review flag
Erling Haaland	diving header	turf treads	right footed	neon green	VAR review flag
Wendie Renard	rabona pass	bladed studs	left footed	royal blue	VAR review flag
Kylian Mbappe	rainbow flick	metal spikes	right footed	royal blue	VAR review flag
Bukayo Saka	knuckleball strike	metal spikes	right footed	neon green	VAR review flag
Sam Kerr	rabona pass	indoor flats	right footed	crimson red	yellow card warning
Cristiano Ronaldo	diving header	bladed studs	right footed	neon green	VAR review flag
Jamal Musiala	bicycle kick	indoor flats	left footed	neon green	VAR review flag
Son Heungmin	knuckleball strike	metal spikes	left footed	crimson red	yellow card warning
Megan Rapinoe	diving header	molded cones	right footed	neon green	VAR review flag
Aitana Bonmati	diving header	indoor flats	left footed	neon green	VAR review flag
Kevin De Bruyne	rainbow flick	molded cones	right footed	neon green	red card ejection
Mohamed Salah	knuckleball strike	turf treads	right footed	royal blue	VAR review flag
Luka Modric	rainbow flick	indoor flats	left footed	crimson red	yellow card warning
Harry Kane	knuckleball strike	indoor flats	left footed	royal blue	VAR review flag
Marta Vieira	diving header	molded cones	right footed	royal blue	red card ejection
Lionel Messi	rabona pass	indoor flats	right footed	neon green	VAR review flag
Marcus Rashford	rabona pass	indoor flats	right footed	crimson red	red card ejection
Alex Morgan	bicycle kick	indoor flats	right footed	neon green	yellow card warning
Neymar Jr	rainbow flick	indoor flats	right footed	royal blue	red card ejection
Jude Bellingham	bicycle kick	metal spikes	right footed	royal blue	VAR review flag

CLUE 1 Addition

The head groundskeeper tallied up the extra penalty cones found near the referee room to get the first code.

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



5134 + 2762 = ☐ → T	1546 + 879 = ☐ → H	4024 + 2016 = ☐ → C
1306 + 2486 = ☐ → E	3085 + 4724 = ☐ → D	3760 + 4262 = ☐ → U
4460 + 2205 = ☐ → N	2706 + 1227 = ☐ → F	1301 + 1072 = ☐ → W
1633 + 968 = ☐ → R	2799 + 1231 = ☐ → O	2178 + 4076 = ☐ → S
902 + 1503 = ☐ → A	2117 + 1325 = ☐ → P	

Scratch space:

CLUE 2 Percentages

> Analyzing the stadium possession stats screen revealed a key percentage discount on the locker room keypad.

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

C																			
40	4	10	31	23	34	31	37	2	35	35	22	6	3	31					
37	19	9	22	23	20	6	6	23	10	45	23	31	2	10	6	20	20		

25% of 160 = ☐ → C

10% of 190 = ☐ → I

10% of 370 = ☐ → R

20% of 170 = ☐ → M

10% of 20 = ☐ → K

20% of 115 = ☐ → T

5% of 200 = ☐ → E

20% of 155 = ☐ → A

5% of 60 = ☐ → W

50% of 70 = ☐ → S

75% of 8 = ☐ → O

5% of 80 = ☐ → L

5% of 440 = ☐ → H

75% of 60 = ☐ → D

10% of 90 = ☐ → G

10% of 200 = ☐ → F

Scratch space:

CLUE 3 Exponents

> The video coordinator squared the tactical grid zone numbers to unlock the encrypted camera footage.

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



6^2 = ☐ → T

3^4 = ☐ → I

6^3 = ☐ → V

11^2 = ☐ → C

14^2 = ☐ → R

2^4 = ☐ → A

16^2 = ☐ → E

2^2 = ☐ → N

2^5 = ☐ → W

2^3 = ☐ → S

5^2 = ☐ → U

7^2 = ☐ → P

20^2 = ☐ → F

3^5 = ☐ → G

5^3 = ☐ → H

18^2 = ☐ → L

2^6 = ☐ → D

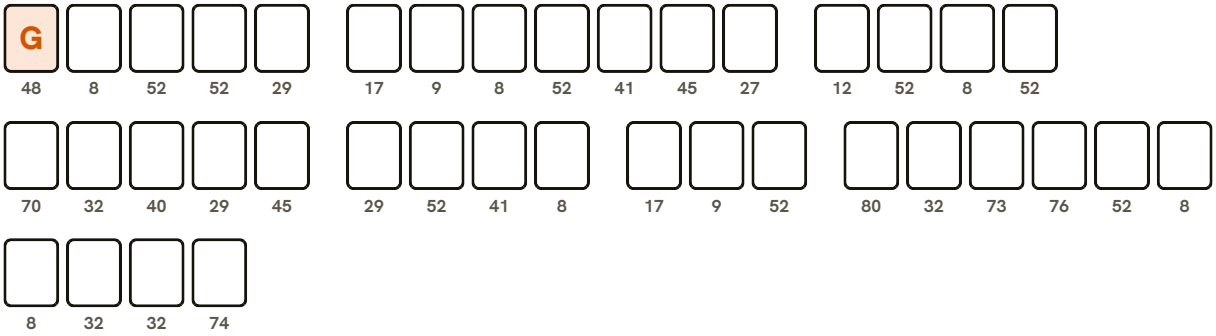
17^2 = ☐ → O

Scratch space:

CLUE 4 Order of operations

> Following the strict sequence on the coach tactical board unlocked the hidden stadium database.

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



8 × 9 - 24 = ☐ → G	6 × 11 - 21 = ☐ → D	31 + 5 × 2 = ☐ → A
9 × 10 - 10 = ☐ → L	4 + 6 × 8 = ☐ → E	62 + 4 × 3 = ☐ → M
2 + 9 × 3 = ☐ → N	4 × 12 - 16 = ☐ → O	1 + 4 × 4 = ☐ → T
4 × 7 - 20 = ☐ → R	7 × 4 - 19 = ☐ → H	3 × 11 - 21 = ☐ → W
7 × 12 - 8 = ☐ → K	6 × 9 - 14 = ☐ → U	11 × 8 - 15 = ☐ → C
52 + 9 × 2 = ☐ → F	5 × 9 - 18 = ☐ → S	

Scratch space:

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

> Splitting the remaining warm-up soccer balls evenly among the training racks yielded the final digit.

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 ÷ 4 = ☐	22 ÷ 11 = ☐	6 ÷ 6 = ☐	24 ÷ 8 = ☐	21 ÷ 3 = ☐
50 ÷ 5 = ☐	32 ÷ 8 = ☐	36 ÷ 6 = ☐	108 ÷ 9 = ☐	44 ÷ 4 = ☐
9 ÷ 1 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain launched a knuckleball strike, then tightened metal spikes.
2. The villain scored with a diving header, then strapped on molded cones.
3. The villain delivered a rabona pass, then tightened metal spikes.
4. The villain performed a rainbow flick, then strapped on molded cones.
5. The villain delivered a rabona pass, then tied up indoor flats.
6. The villain scored with a diving header, then slipped into turf treads.
7. The villain executed a bicycle kick, then slipped into turf treads.
8. The villain scored with a diving header, then laced up bladed studs.
9. The villain scored with a diving header, then tied up indoor flats.
10. The villain launched a knuckleball strike, then tied up indoor flats.
11. The villain performed a rainbow flick, then slipped into turf treads.
12. The villain executed a bicycle kick, then laced up bladed studs.

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TEACHER / PARENT

Answer Key

The Golden Whistle Heist

Culprit: Cristiano Ronaldo

diving header · bladed studs · right footed · neon green · VAR review flag

Trail: Start 21 → Clue 1 19 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SUSPECT DOES NOT WEAR TURF TREADS"

5134 + 2762 = 7896 (T) · 1546 + 879 = 2425 (H) · 4024 + 2016 = 6040 (C) · 1306 + 2486 = 3792 (E) · 3085 + 4724 = 7809 (D) · 3760 + 4262 = 8022 (U) · 4460 + 2205 = 6665 (N) · 2706 + 1227 = 3933 (F) · 1301 + 1072 = 2373 (W) · 1633 + 968 = 2601 (R) · 2799 + 1231 = 4030 (O) · 2178 + 4076 = 6254 (S) · 902 + 1503 = 2405 (A) · 2117 + 1325 = 3442 (P)

Clue 2 (Percentages): "CLEAT MARKS SHOW A RIGHT FOOTED TAKE OFF"

25% of 160 = 40 (C) · 10% of 190 = 19 (I) · 10% of 370 = 37 (R) · 20% of 170 = 34 (M) · 10% of 20 = 2 (K) · 20% of 115 = 23 (T) · 5% of 200 = 10 (E) · 20% of 155 = 31 (A) · 5% of 60 = 3 (W) · 50% of 70 = 35 (S) · 75% of 8 = 6 (O) · 5% of 80 = 4 (L) · 5% of 440 = 22 (H) · 75% of 60 = 45 (D) · 10% of 90 = 9 (G) · 10% of 200 = 20 (F)

Clue 3 (Exponents): "THE SCOUT SPOTTED A VAR REVIEW FLAG AT SCENE"

6^2 = 36 (T) · 3^4 = 81 (I) · 6^3 = 216 (V) · 11^2 = 121 (C) · 14^2 = 196 (R) · 2^4 = 16 (A) · 16^2 = 256 (E) · 2^2 = 4 (N) · 2^5 = 32 (W) · 2^3 = 8 (S) · 5^2 = 25 (U) · 7^2 = 49 (P) · 20^2 = 400 (F) · 3^5 = 243 (G) · 5^3 = 125 (H) · 18^2 = 324 (L) · 2^6 = 64 (D) · 17^2 = 289 (O)

Clue 4 (Order of operations): "GREEN THREADS WERE FOUND NEAR THE LOCKER ROOM"

8 × 9 - 24 = 48 (G) · 6 × 11 - 21 = 45 (D) · 31 + 5 × 2 = 41 (A) · 9 × 10 - 10 = 80 (L) · 4 + 6 × 8 = 52 (E) · 62 + 4 × 3 = 74 (M) · 2 + 9 × 3 = 29 (N) · 4 × 12 - 16 = 32 (O) · 1 + 4 × 4 = 17 (T) · 4 × 7 - 20 = 8 (R) · 7 × 4 - 19 = 9 (H) · 3 × 11 - 21 = 12 (W) · 7 × 12 - 8 = 76 (K) · 6 × 9 - 14 = 40 (U) · 11 × 8 - 15 = 73 (C) · 52 + 9 × 2 = 70 (F) · 5 × 9 - 18 = 27 (S)

Clue 5 (Division facts (1-12)): surviving statement is box 8 → Cristiano Ronaldo

20 ÷ 4 = 5 · 22 ÷ 11 = 2 · 6 ÷ 6 = 1 · 24 ÷ 8 = 3 · 21 ÷ 3 = 7 · 50 ÷ 5 = 10 · 32 ÷ 8 = 4 · 36 ÷ 6 = 6 · 108 ÷ 9 = 12 · 44 ÷ 4 = 11 · 9 ÷ 1 = 9