



The Golden Boot Heist

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

Detective: _____ Date: _____

Someone has sneaked into the trophy room and snatched Messi's golden boot! The culprit bypassed security, but they left behind tactical clues. Analyze the evidence to find the Phantom Striker!

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 Phantom Striker is _____

Possible suspects

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

NAME	SIGNATURE SKILL	SPECIAL GEAR	DOMINANT FOOT	HAIR STYLE	DRILL OBSTACLE
Lautaro	Rapid Dribble	Carbon Fiber Shin Guards	Right Footed Dominant	Bleached Blonde Highlights	Dizzying Agility Cones
Ousmane	Nutmeg Pass	High Bounce Training Ball	Left Footed Dominant	Neon Green Hair Tie	Loud Stadium Horns
Sergio	Rapid Dribble	GPS Tracking Wristband	Left Footed Dominant	Neon Green Hair Tie	Loud Stadium Horns
Gerard	Free Kick Curve	Carbon Fiber Shin Guards	Right Footed Dominant	Neon Green Hair Tie	Dizzying Agility Cones
Enzo	Chip Shot	GPS Tracking Wristband	Left Footed Dominant	Neon Green Hair Tie	Slippery Wet Grass
Julian	Nutmeg Pass	GPS Tracking Wristband	Left Footed Dominant	Bleached Blonde Highlights	Loud Stadium Horns
Jordi	Bicycle Kick	Thermal Goal Keeper Gloves	Right Footed Dominant	Buzz Cut With Lightning Part	Dizzying Agility Cones
Antoine	Rapid Dribble	Carbon Fiber Shin Guards	Left Footed Dominant	Neon Green Hair Tie	Loud Stadium Horns
Xavi	Nutmeg Pass	GPS Tracking Wristband	Left Footed Dominant	Buzz Cut With Lightning Part	Loud Stadium Horns
Rodrigo	Chip Shot	GPS Tracking Wristband	Left Footed Dominant	Buzz Cut With Lightning Part	Dizzying Agility Cones
Frenkie	Chip Shot	GPS Tracking Wristband	Right Footed Dominant	Bleached Blonde Highlights	Loud Stadium Horns
Lionel	Chip Shot	Carbon Fiber Shin Guards	Right Footed Dominant	Buzz Cut With Lightning Part	Dizzying Agility Cones
Cesc	Bicycle Kick	Glow In The Dark Cleats	Right Footed Dominant	Buzz Cut With Lightning Part	Loud Stadium Horns
Luis	Chip Shot	Glow In The Dark Cleats	Right Footed Dominant	Buzz Cut With Lightning Part	Dizzying Agility Cones
Leo	Chip Shot	GPS Tracking Wristband	Right Footed Dominant	Buzz Cut With Lightning Part	Dizzying Agility Cones
Pedri	Nutmeg Pass	High Bounce Training Ball	Left Footed Dominant	Neon Green Hair Tie	Slippery Wet Grass
Alexis	Bicycle Kick	Glow In The Dark Cleats	Right Footed Dominant	Bleached Blonde Highlights	Loud Stadium Horns
Marc	Nutmeg Pass	Glow In The Dark Cleats	Left Footed Dominant	Buzz Cut With Lightning Part	Slippery Wet Grass
Robert	Chip Shot	Carbon Fiber Shin Guards	Right Footed Dominant	Neon Green Hair Tie	Loud Stadium Horns
Andres	Free Kick Curve	GPS Tracking Wristband	Right Footed Dominant	Buzz Cut With Lightning Part	Dizzying Agility Cones
Gavi	Rapid Dribble	Carbon Fiber Shin Guards	Left Footed Dominant	Bleached Blonde Highlights	Loud Stadium Horns

CLUE 1

Multiplication facts (1-12)

The coach found stacks of training cones knocked over in the main equipment shed. If there are several rows with the exact same number of cones in each, we can multiply them to find the total and unlock the first locker room clue.

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

T			T											T				
22	49	28	22	49	11	28	15	5	63	28	120	12	63	22	9	28	27	54
T																		
22	49	28	54	20	27	16	66	16	63	4	28	120						

$11 \times 2 = \square \rightarrow \boxed{\text{T}}$

$11 \times 6 = \square \rightarrow \boxed{\text{G}}$

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

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

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

$5 \times 1 = \square \rightarrow \boxed{\text{D}}$

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

$4 \times 1 = \square \rightarrow \boxed{\text{V}}$

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

$7 \times 4 = \square \rightarrow \boxed{\text{E}}$

$12 \times 1 = \square \rightarrow \boxed{\text{N}}$

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

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

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

$1 \times 9 = \square \rightarrow \boxed{\text{W}}$

$2 \times 8 = \square \rightarrow \boxed{\text{L}}$

Scratch space:

Fractions of a number

A discarded team roster was found on the pitch, but water spilled on it. Only a fraction of the total player names are still readable. Calculate this fraction of the total roster to identify the suspect's practice group.

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

Two rows of 16 empty boxes each. In the first row, the 1st box contains 'T' with '28' below it, the 10th box contains 'T' with '28' below it, and the 13th box contains '13'. In the second row, the 3rd box contains 'T' with '28' below it, the 5th box contains 'T' with '28' below it, the 12th box contains 'T' with '28' below it, and the 16th box contains 'T' with '28' below it. Numbers are also present below some empty boxes in both rows.

T									T									
28	36	26	18	8	18	2	26	12	28	13	3	12	13	18	29	21	25	14
		T		T									T				T	
30	3	28	36	28	36	26	3	5	5	3	31	36	28	35	29	29	28	

7/10 of 40 = → **T**

$$5/8 \text{ of } 8 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$6/8 \text{ of } 48 = \boxed{} \rightarrow \boxed{\text{H}}$$

5/10 of 62 = → **G**

$\frac{1}{3}$ of 6 = $\rightarrow$ **P**

$\frac{1}{2}$ of 58 = $\rightarrow$

$$\frac{1}{3} \text{ of } 75 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$\frac{1}{3} \text{ of } 39 = \boxed{} \rightarrow \boxed{\text{K}}$$

$1/2$ of 70 = $\rightarrow$ **F**

$6/10$ of $50 = \boxed{} \rightarrow \boxed{\text{W}}$

7/10 of 30 = → **N**

$1/2$ of 6 = $\rightarrow$

5/10 of 16 = → **U**

$3/8$ of 48 = $\rightarrow$ **S**

$4/5$ of 15 = $\rightarrow$ **C**

$$1/2 \text{ of } 52 = \boxed{} \rightarrow \boxed{\text{E}}$$

$1/10$ of 140 = $\rightarrow$ **Y**

Scratch space:

CLUE 3

Order of operations

The security keypad requires a master code. The security guard left a note with a string of additions, multiplications, and parentheses. Follow the strict order of operations to solve the equation and unlock the hallway cameras.

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

T																	
62	61	65	39	42	80	80	13	42	70	38	73	38	42	67	42	62	13

					T							T					
54	78	70	65	19	62	56	42	66	66	65	39	62	61	65	31	71	66

$10 \times 9 - 28 = \square \rightarrow \text{T}$

$11 \times 7 - 11 = \square \rightarrow \text{P}$

$25 + 9 \times 5 = \square \rightarrow \text{N}$

$9 \times 5 - 7 = \square \rightarrow \text{G}$

$10 \times 8 - 26 = \square \rightarrow \text{C}$

$1 + 6 \times 2 = \square \rightarrow \text{Y}$

$12 \times 5 - 4 = \square \rightarrow \text{R}$

$13 + 6 \times 3 = \square \rightarrow \text{M}$

$8 \times 10 - 7 = \square \rightarrow \text{A}$

$35 + 5 \times 6 = \square \rightarrow \text{E}$

$19 + 8 \times 6 = \square \rightarrow \text{L}$

$10 + 3 \times 3 = \square \rightarrow \text{S}$

$12 \times 9 - 30 = \square \rightarrow \text{O}$

$9 \times 8 - 1 = \square \rightarrow \text{U}$

$24 + 3 \times 6 = \square \rightarrow \text{I}$

$11 \times 10 - 30 = \square \rightarrow \text{Z}$

$7 \times 10 - 9 = \square \rightarrow \text{H}$

$3 + 9 \times 4 = \square \rightarrow \text{D}$

Scratch space:

CLUE 4 Rounding

The speed radar caught a blurry figure sprinting down the tunnel. The radar only displays the exact speed, but the security log requires us to round it to the nearest whole number to match the database.

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

T																	
370	70	2300	30	2000	1100	430	2900	2900	2300	30	2300	5000	20	2300	3000	5000	
						T			T					T			
170	200	700	700	230	200	370	110	2000	370	70	20	2000	130	70	370	4300	2000

Round 374 to the nearest ten → **T**

Round 232 to the nearest ten → **C**

Round 174 to the nearest ten → **B**

Round 692 to the nearest hundred → **Z**

Round 114 to the nearest ten → **W**

Round 4,973 to the nearest thousand → **A**

Round 198 to the nearest hundred → **U**

Round 27 to the nearest ten → **V**

Round 431 to the nearest ten → **O**

Round 2,291 to the nearest hundred → **E**

Round 1,140 to the nearest hundred → **S**

Round 2,309 to the nearest thousand → **I**

Round 128 to the nearest ten → **G**

Round 2,882 to the nearest hundred → **R**

Round 23 to the nearest ten → **L**

Round 67 to the nearest ten → **H**

Round 4,274 to the nearest hundred → **N**

Round 3,222 to the nearest thousand → **D**

Scratch space:

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

A box of energy bars was shared equally among the academy trainees. By dividing the total number of bars by the number of players, we can find the remainder left behind at the crime scene to pinpoint the suspect's locker.

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:

$40 \div 4 = \boxed{}$

$60 \div 12 = \boxed{}$

$18 \div 6 = \boxed{}$

$72 \div 9 = \boxed{}$

$12 \div 3 = \boxed{}$

$77 \div 7 = \boxed{}$

$77 \div 11 = \boxed{}$

$54 \div 9 = \boxed{}$

$9 \div 9 = \boxed{}$

$16 \div 8 = \boxed{}$

$120 \div 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain soared over the courtyard wall with a bicycle kick, then dropping heat signatures from their thermal goal keeper gloves.
2. The villain slipped through the security gate using a nutmeg pass, then pinging the security grid on their gps tracking wristband.
3. The villain bypassed the laser field with a chip shot, then clanging against the metal fence with their carbon fiber shin guards.
4. The villain slipped through the security gate using a nutmeg pass, then dropping heat signatures from their thermal goal keeper gloves.
5. The villain bypassed the laser field with a chip shot, then leaving neon trails from their glow in the dark cleats.
6. The villain curved the keycard around the sensor with a free kick curve, then clanging against the metal fence with their carbon fiber shin guards.
7. The villain sprinted past the guards with a rapid dribble, then dropping heat signatures from their thermal goal keeper gloves.
8. The villain soared over the courtyard wall with a bicycle kick, then clanging against the metal fence with their carbon fiber shin guards.
9. The villain bypassed the laser field with a chip shot, then pinging the security grid on their gps tracking wristband.
10. The villain curved the keycard around the sensor with a free kick curve, then pinging the security grid on their gps tracking wristband.
11. The villain slipped through the security gate using a nutmeg pass, then leaving neon trails from their glow in the dark cleats.
12. The villain sprinted past the guards with a rapid dribble, then pinging the security grid on their gps tracking wristband.

Answer Key

The Golden Boot Heist

Culprit: Leo

Chip Shot · GPS Tracking Wristband · Right Footed Dominant · Buzz Cut With Lightning Part · Dizzying Agility Cones

Trail: Start 21 → Clue 1 20 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE THIEF DOES NOT WEAR THERMAL GLOVES"

$11 \times 2 = 22$ (T) · $11 \times 6 = 66$ (G) · $4 \times 5 = 20$ (M) · $7 \times 7 = 49$ (H) · $10 \times 12 = 120$ (S) · $5 \times 1 = 5$ (D) · $9 \times 7 = 63$ (O) · $4 \times 1 = 4$ (V) · $3 \times 5 = 15$ (F) · $7 \times 4 = 28$ (E) · $12 \times 1 = 12$ (N) · $3 \times 9 = 27$ (A) · $6 \times 9 = 54$ (R) · $1 \times 11 = 11$ (I) · $1 \times 9 = 9$ (W) · $2 \times 8 = 16$ (L)

Clue 2 (Fractions of a number): "THE SUSPECT KICKS ONLY WITH THEIR RIGHT FOOT"

$7/10$ of 40 = 28 (T) · $5/8$ of 8 = 5 (R) · $6/8$ of 48 = 36 (H) · $5/10$ of 62 = 31 (G) · $1/3$ of 6 = 2 (P) · $1/2$ of 58 = 29 (O) · $1/3$ of 75 = 25 (L) · $1/3$ of 39 = 13 (K) · $1/2$ of 70 = 35 (F) · $6/10$ of 50 = 30 (W) · $7/10$ of 30 = 21 (N) · $1/2$ of 6 = 3 (I) · $5/10$ of 16 = 8 (U) · $3/8$ of 48 = 18 (S) · $4/5$ of 15 = 12 (C) · $1/2$ of 52 = 26 (E) · $1/10$ of 140 = 14 (Y)

Clue 3 (Order of operations): "THE DIZZYING AGILITY CONES TRIPPED THEM UP"

$10 \times 9 - 28 = 62$ (T) · $11 \times 7 - 11 = 66$ (P) · $25 + 9 \times 5 = 70$ (N) · $9 \times 5 - 7 = 38$ (G) · $10 \times 8 - 26 = 54$ (C) · $1 + 6 \times 2 = 13$ (Y) · $12 \times 5 - 4 = 56$ (R) · $13 + 6 \times 3 = 31$ (M) · $8 \times 10 - 7 = 73$ (A) · $35 + 5 \times 6 = 65$ (E) · $19 + 8 \times 6 = 67$ (L) · $10 + 3 \times 3 = 19$ (S) · $12 \times 9 - 30 = 78$ (O) · $9 \times 8 - 1 = 71$ (U) · $24 + 3 \times 6 = 42$ (I) · $11 \times 10 - 30 = 80$ (Z) · $7 \times 10 - 9 = 61$ (H) · $3 + 9 \times 4 = 39$ (D)

Clue 4 (Rounding): "THE VISOR REVEALED A BUZZ CUT WITH LIGHTNING"

Round 374 to the nearest ten = 370 (T) · Round 232 to the nearest ten = 230 (C) · Round 174 to the nearest ten = 170 (B) · Round 692 to the nearest hundred = 700 (Z) · Round 114 to the nearest ten = 110 (W) · Round 4,973 to the nearest thousand = 5000 (A) · Round 198 to the nearest hundred = 200 (U) · Round 27 to the nearest ten = 30 (V) · Round 431 to the nearest ten = 430 (O) · Round 2,291 to the nearest hundred = 2300 (E) · Round 1,140 to the nearest hundred = 1100 (S) · Round 2,309 to the nearest thousand = 2000 (I) · Round 128 to the nearest ten = 130 (G) · Round 2,882 to the nearest hundred = 2900 (R) · Round 23 to the nearest ten = 20 (L) · Round 67 to the nearest ten = 70 (H) · Round 4,274 to the nearest hundred = 4300 (N) · Round 3,222 to the nearest thousand = 3000 (D)

Clue 5 (Division facts (1-12)): surviving statement is box 9 → Leo

$40 \div 4 = 10$ · $60 \div 12 = 5$ · $18 \div 6 = 3$ · $72 \div 9 = 8$ · $12 \div 3 = 4$ · $77 \div 7 = 11$ · $77 \div 11 = 7$ · $54 \div 9 = 6$ · $9 \div 9 = 1$ · $16 \div 8 = 2$ · $120 \div 10 = 12$