



The Golden Boot Heist

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

Detective: _____ Date: _____

Right before the final whistle of the tournament, the priceless Golden Boot trophy vanished from the display case! The culprit left behind tactical drill sheets and mysterious gear. It is up to you to solve the math puzzles and catch the thief before they escape the stadium.

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 the Cleat Burglar 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	SPECIAL GEAR	WRIST ACCESSORY	HAIR STYLE	MATCH OBSTACLE
Pulisic	bicycle kick	glow in the dark ball	wears left wristband	frosty blonde tips	distracted by stadium lights
Rashford	bicycle kick	rocket powered cleats	wears left wristband	slicked back hair	slips on wet grass
Bellingham	panenka penalty	glow in the dark ball	wears right wristband	frosty blonde tips	distracted by stadium lights
Adams	knuckleball free kick	gps tracking vest	wears left wristband	frosty blonde tips	slips on wet grass
Robinson	rainbow flick	rocket powered cleats	wears left wristband	frosty blonde tips	distracted by stadium lights
Turner	knuckleball free kick	rocket powered cleats	wears left wristband	frosty blonde tips	slips on wet grass
Son	knuckleball free kick	super grip goalie gloves	wears right wristband	frosty blonde tips	scared of loud whistles
Weah	panenka penalty	gps tracking vest	wears right wristband	slicked back hair	slips on wet grass
Messi	knuckleball free kick	rocket powered cleats	wears left wristband	slicked back hair	slips on wet grass
Reyna	bicycle kick	super grip goalie gloves	wears left wristband	frosty blonde tips	distracted by stadium lights
Haaland	panenka penalty	glow in the dark ball	wears left wristband	neon green highlights	distracted by stadium lights
Neymar	bicycle kick	turbo speed shin guards	wears right wristband	slicked back hair	slips on wet grass
Modric	knuckleball free kick	super grip goalie gloves	wears right wristband	neon green highlights	distracted by stadium lights
Mbappe	trivela pass	rocket powered cleats	wears left wristband	frosty blonde tips	distracted by stadium lights
Davies	panenka penalty	super grip goalie gloves	wears right wristband	frosty blonde tips	slips on wet grass
McKennie	knuckleball free kick	glow in the dark ball	wears left wristband	frosty blonde tips	distracted by stadium lights
Aaronson	knuckleball free kick	glow in the dark ball	wears right wristband	neon green highlights	slips on wet grass
Kane	trivela pass	glow in the dark ball	wears right wristband	slicked back hair	distracted by stadium lights
Salah	bicycle kick	gps tracking vest	wears right wristband	frosty blonde tips	scared of loud whistles
Balogun	panenka penalty	glow in the dark ball	wears left wristband	frosty blonde tips	slips on wet grass
Musah	knuckleball free kick	glow in the dark ball	wears right wristband	neon green highlights	scared of loud whistles

CLUE 1

Multiplication facts (1-12)

To crack the first lock, we must count the training cones stacked in equal rows across the practice field.

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

T			T											T				
88	16	144	88	16	8	144	3	54	96	144	10	4	96	88	5	144	22	56
27	96	22	108	8	144	27	108	96	90	144	10							

$8 \times 11 = \square \rightarrow \text{T}$

$4 \times 2 = \square \rightarrow \text{I}$

$1 \times 4 = \square \rightarrow \text{N}$

$12 \times 12 = \square \rightarrow \text{E}$

$11 \times 2 = \square \rightarrow \text{A}$

$9 \times 12 = \square \rightarrow \text{L}$

$10 \times 9 = \square \rightarrow \text{V}$

$8 \times 7 = \square \rightarrow \text{R}$

$5 \times 1 = \square \rightarrow \text{W}$

$1 \times 10 = \square \rightarrow \text{S}$

$9 \times 6 = \square \rightarrow \text{D}$

$1 \times 3 = \square \rightarrow \text{F}$

$12 \times 8 = \square \rightarrow \text{O}$

$3 \times 9 = \square \rightarrow \text{G}$

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

Scratch space:

CLUE 2

Fractions of a number

Next, we need to calculate how many clean pennies the equipment manager prepared out of the total team laundry pile.

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

T									T							
40	16	17	8	11	8	12	17	3	40	37	17	28	24	8	28	

			T					T				
2	17	27	40	37	24	33	8	40	21	28	36	38

$1/4 \text{ of } 160 = \square \rightarrow \boxed{\text{T}}$

$3/4 \text{ of } 48 = \square \rightarrow \boxed{\text{N}}$

$2/3 \text{ of } 3 = \square \rightarrow \boxed{\text{L}}$

$5/10 \text{ of } 32 = \square \rightarrow \boxed{\text{H}}$

$2/8 \text{ of } 112 = \square \rightarrow \boxed{\text{A}}$

$2/8 \text{ of } 152 = \square \rightarrow \boxed{\text{D}}$

$3/4 \text{ of } 44 = \square \rightarrow \boxed{\text{I}}$

$2/8 \text{ of } 108 = \square \rightarrow \boxed{\text{F}}$

$5/10 \text{ of } 24 = \square \rightarrow \boxed{\text{P}}$

$1/3 \text{ of } 9 = \square \rightarrow \boxed{\text{C}}$

$2/4 \text{ of } 74 = \square \rightarrow \boxed{\text{W}}$

$6/10 \text{ of } 40 = \square \rightarrow \boxed{\text{R}}$

$1/3 \text{ of } 51 = \square \rightarrow \boxed{\text{E}}$

$1/3 \text{ of } 24 = \square \rightarrow \boxed{\text{S}}$

$2/8 \text{ of } 84 = \square \rightarrow \boxed{\text{B}}$

$2/6 \text{ of } 33 = \square \rightarrow \boxed{\text{U}}$

Scratch space:

CLUE 3

Order of operations

We found a tactical whiteboard showing a complex equation of free kicks, penalty points, and yellow cards that needs solving in the exact order.

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

T			T										T				T		
64	38	67	64	38	40	67	7	40	30	41	40	30	64	68	77	57	64	67	41
						T					T								
35	61	35	68	40	19	38	64	16	40	19	38	64	30						

$11 \times 7 - 13 = \square \rightarrow \boxed{\text{T}}$

$3 + 2 \times 2 = \square \rightarrow \boxed{\text{F}}$

$35 + 8 \times 4 = \square \rightarrow \boxed{\text{E}}$

$5 \times 11 - 14 = \square \rightarrow \boxed{\text{D}}$

$52 + 5 \times 5 = \square \rightarrow \boxed{\text{A}}$

$20 + 5 \times 4 = \square \rightarrow \boxed{\text{I}}$

$12 \times 7 - 23 = \square \rightarrow \boxed{\text{Y}}$

$17 + 3 \times 7 = \square \rightarrow \boxed{\text{H}}$

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

$3 \times 12 - 1 = \square \rightarrow \boxed{\text{B}}$

$53 + 5 \times 3 = \square \rightarrow \boxed{\text{R}}$

$4 \times 9 - 6 = \square \rightarrow \boxed{\text{S}}$

$2 \times 11 - 3 = \square \rightarrow \boxed{\text{G}}$

$8 + 2 \times 4 = \square \rightarrow \boxed{\text{L}}$

Scratch space:

CLUE 4 Rounding

The stadium electronic speed radar clocked the thief's escape run, but the screen only displays speeds rounded to the nearest whole number.

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

W																		
500	700	430	900	20	370	3700	430	50	900	90	7000	130	3000	1300	900	370	3700	700

2900	70	9000	50	7000	9000	30	90

Round 468 to the nearest hundred → **W**

Round 928 to the nearest hundred → **O**

Round 47 to the nearest ten → **R**

Round 428 to the nearest ten → **F**

Round 9,348 to the nearest thousand → **I**

Round 27 to the nearest ten → **P**

Round 2,908 to the nearest hundred → **H**

Round 130 to the nearest ten → **Y**

Round 372 to the nearest ten → **N**

Round 19 to the nearest ten → **U**

Round 1,280 to the nearest hundred → **L**

Round 7,054 to the nearest thousand → **T**

Round 72 to the nearest ten → **A**

Round 3,306 to the nearest thousand → **B**

Round 3,732 to the nearest hundred → **D**

Round 92 to the nearest ten → **S**

Round 717 to the nearest hundred → **E**

Scratch space:

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

Finally, the team must split the energy drinks equally into the player coolers to reveal the final digit of the lock.

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:

$36 \div 3 = \boxed{}$

$40 \div 10 = \boxed{}$

$18 \div 3 = \boxed{}$

$56 \div 7 = \boxed{}$

$2 \div 1 = \boxed{}$

$11 \div 1 = \boxed{}$

$5 \div 1 = \boxed{}$

$2 \div 2 = \boxed{}$

$72 \div 8 = \boxed{}$

$56 \div 8 = \boxed{}$

$6 \div 2 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain performs a sudden bicycle kick, then escapes while wearing a gps tracking vest.
2. The villain chips a sneaky panenka penalty, then dashes away in turbo speed shin guards.
3. The villain bends a brilliant trivela pass, then dashes away in turbo speed shin guards.
4. The villain performs a sudden bicycle kick, then escapes with a glow in the dark ball.
5. The villain executes a cheeky rainbow flick, then escapes with a glow in the dark ball.
6. The villain executes a cheeky rainbow flick, then zooms away on rocket powered cleats.
7. The villain executes a cheeky rainbow flick, then escapes while wearing a gps tracking vest.
8. The villain blasts a knuckleball free kick, then swipes the trophy using super grip goalie gloves.
9. The villain chips a sneaky panenka penalty, then escapes while wearing a gps tracking vest.
10. The villain blasts a knuckleball free kick, then escapes with a glow in the dark ball.
11. The villain blasts a knuckleball free kick, then dashes away in turbo speed shin guards.
12. The villain bends a brilliant trivela pass, then zooms away on rocket powered cleats.

Answer Key

The Golden Boot Heist

Culprit: McKennie

knuckleball free kick · glow in the dark ball · wears left wristband · frosty blonde tips · distracted by stadium lights

Trail: Start 21 → Clue 1 17 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

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

$8 \times 11 = 88$ (T) · $4 \times 2 = 8$ (I) · $1 \times 4 = 4$ (N) · $12 \times 12 = 144$ (E) · $11 \times 2 = 22$ (A) · $9 \times 12 = 108$ (L) · $10 \times 9 = 90$ (V) · $8 \times 7 = 56$ (R) · $5 \times 1 = 5$ (W) · $1 \times 10 = 10$ (S) · $9 \times 6 = 54$ (D) · $1 \times 3 = 3$ (F) · $12 \times 8 = 96$ (O) · $3 \times 9 = 27$ (G) · $4 \times 4 = 16$ (H)

Clue 2 (Fractions of a number): "THE SUSPECT WEARS A LEFT WRISTBAND"

$\frac{1}{4}$ of 160 = 40 (T) · $\frac{3}{4}$ of 48 = 36 (N) · $\frac{2}{3}$ of 3 = 2 (L) · $\frac{5}{10}$ of 32 = 16 (H) · $\frac{2}{8}$ of 112 = 28 (A) · $\frac{2}{8}$ of 152 = 38 (D) · $\frac{3}{4}$ of 44 = 33 (I) · $\frac{2}{8}$ of 108 = 27 (F) · $\frac{5}{10}$ of 24 = 12 (P) · $\frac{1}{3}$ of 9 = 3 (C) · $\frac{2}{4}$ of 74 = 37 (W) · $\frac{6}{10}$ of 40 = 24 (R) · $\frac{1}{3}$ of 51 = 17 (E) · $\frac{1}{3}$ of 24 = 8 (S) · $\frac{2}{8}$ of 84 = 21 (B) · $\frac{2}{6}$ of 33 = 11 (U)

Clue 3 (Order of operations): "THE THIEF IS DISTRACTED BY BRIGHT LIGHTS"

$11 \times 7 - 13 = 64$ (T) · $3 + 2 \times 2 = 7$ (F) · $35 + 8 \times 4 = 67$ (E) · $5 \times 11 - 14 = 41$ (D) · $52 + 5 \times 5 = 77$ (A) · $20 + 5 \times 4 = 40$ (I) · $12 \times 7 - 23 = 61$ (Y) · $17 + 3 \times 7 = 38$ (H) · $12 \times 5 - 3 = 57$ (C) · $3 \times 12 - 1 = 35$ (B) · $53 + 5 \times 3 = 68$ (R) · $4 \times 9 - 6 = 30$ (S) · $2 \times 11 - 3 = 19$ (G) · $8 + 2 \times 4 = 16$ (L)

Clue 4 (Rounding): "WE FOUND FROSTY BLONDE HAIR TIPS"

Round 468 to the nearest hundred = 500 (W) · Round 928 to the nearest hundred = 900 (O) · Round 47 to the nearest ten = 50 (R) · Round 428 to the nearest ten = 430 (F) · Round 9,348 to the nearest thousand = 9000 (I) · Round 27 to the nearest ten = 30 (P) · Round 2,908 to the nearest hundred = 2900 (H) · Round 130 to the nearest ten = 130 (Y) · Round 372 to the nearest ten = 370 (N) · Round 19 to the nearest ten = 20 (U) · Round 1,280 to the nearest hundred = 1300 (L) · Round 7,054 to the nearest thousand = 7000 (T) · Round 72 to the nearest ten = 70 (A) · Round 3,306 to the nearest thousand = 3000 (B) · Round 3,732 to the nearest hundred = 3700 (D) · Round 92 to the nearest ten = 90 (S) · Round 717 to the nearest hundred = 700 (E)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → McKennie

$36 \div 3 = 12$ · $40 \div 10 = 4$ · $18 \div 3 = 6$ · $56 \div 7 = 8$ · $2 \div 1 = 2$ · $11 \div 1 = 11$ · $5 \div 1 = 5$ · $2 \div 2 = 1$ · $72 \div 8 = 9$ · $56 \div 8 = 7$ · $6 \div 2 = 3$