



The Golden Boot Heist

Grade 4 math · Multiplication, Rounding, Addition, Subtraction, Division · Reading level grades 3-4

Detective: _____ Date: _____

Oh no! The famous Golden Boot Trophy has been swiped right before the championship game! The thief ran through the locker rooms. We must examine the clues to find the suspect among the 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 the Trophy Swiper is _____

Possible suspects

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

NAME	SPECIAL MOVE	LUCKY GEAR	DOMINANT FOOT	HAIR STYLE	WEAKNESS
Neymar	Phantom Pass	Red Wristband	Right Footed	Sleek Bun	Loud Whistle
Alex	Phantom Pass	Star Headband	Right Footed	Curly Ponytail	Water Splash
Rose	Phantom Pass	Neon Cleats	Right Footed	Sleek Bun	Bright Floodlights
Sonny	Phantom Pass	Neon Cleats	Left Footed	Curly Ponytail	Loud Whistle
Zinedine	Lightning Dribble	Gold Shinguards	Right Footed	Curly Ponytail	Bright Floodlights
David	Rocket Header	Red Wristband	Right Footed	Curly Ponytail	Water Splash
Kevin	Phantom Pass	Star Headband	Left Footed	Curly Ponytail	Water Splash
Alisson	Lightning Dribble	Red Wristband	Right Footed	Curly Ponytail	Bright Floodlights
Kylian	Super Wall Save	Neon Cleats	Right Footed	Sleek Bun	Loud Whistle
Lionel	Tornado Kick	Glow Gloves	Right Footed	Curly Ponytail	Water Splash
Virgil	Tornado Kick	Neon Cleats	Right Footed	Sleek Bun	Bright Floodlights
Marta	Lightning Dribble	Glow Gloves	Left Footed	Sleek Bun	Water Splash
Cristiano	Lightning Dribble	Gold Shinguards	Left Footed	Curly Ponytail	Loud Whistle
Erling	Rocket Header	Gold Shinguards	Right Footed	Curly Ponytail	Water Splash
Marcus	Rocket Header	Red Wristband	Left Footed	Curly Ponytail	Bright Floodlights
Sam	Lightning Dribble	Glow Gloves	Right Footed	Spiky Hair	Water Splash
Harry	Rocket Header	Gold Shinguards	Right Footed	Sleek Bun	Loud Whistle
Bukayo	Super Wall Save	Neon Cleats	Left Footed	Sleek Bun	Bright Floodlights
Pele	Lightning Dribble	Neon Cleats	Right Footed	Curly Ponytail	Water Splash
Megan	Lightning Dribble	Star Headband	Right Footed	Sleek Bun	Water Splash
Diego	Lightning Dribble	Red Wristband	Left Footed	Spiky Hair	Bright Floodlights

Multiplication facts (1-12)

We found the gear room in a mess. The thief knocked over rows of soccer balls. Let us multiply the rows to find how many balls are missing and get our first clue!

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

T									T							T
144	12	20	45	24	45	63	20	121	144	100	15	20	45	3	15	144
												T				
8	20	120	28	120	28	20	100	8	28	70	45	144	2	120	3	100

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

$$3 \times 4 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$11 \times 11 = \boxed{} \rightarrow \text{C}$$

$10 \times 7 = \boxed{} \rightarrow \boxed{1}$

$4 \times 6 = \square \rightarrow \boxed{\mathbf{U}}$

$9 \times 5 = \boxed{} \rightarrow \boxed{\text{S}}$

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

$10 \times 12 = \boxed{} \rightarrow \boxed{\mathbf{A}}$

$$1 \times 3 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$7 \times 9 = \boxed{} \rightarrow \boxed{\text{P}}$$

$5 \times 4 = \boxed{} \rightarrow \boxed{\text{E}}$

$$5 \times 3 = \boxed{} \rightarrow \boxed{0}$$

$1 \times 2 = \boxed{} \rightarrow \boxed{\mathbf{B}}$

$7 \times 4 = \square \rightarrow \boxed{\mathbf{R}}$

$1 \times 8 = \square \rightarrow \boxed{W}$

Scratch space:

CLUE 2 Rounding

The stadium radar tracker picked up a fast blur. The digital screen only shows rounded speed numbers. Round the top speed to the nearest ten to unlock the video!

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

T			T											T			
430	20	200	430	20	50	200	900	500	50	5000	500	200	3700	430	20	200	
						T							T				T
3700	1700	1700	370	7000	50	430	20	170	370	50	90	20	430	900	1700	1700	430

Round 431 to the nearest ten → **T**

Round 17 to the nearest ten → **H**

Round 3,729 to the nearest hundred → **D**

Round 89 to the nearest ten → **G**

Round 535 to the nearest hundred → **K**

Round 1,727 to the nearest hundred → **O**

Round 5,229 to the nearest thousand → **C**

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

Round 170 to the nearest ten → **A**

Round 919 to the nearest hundred → **F**

Round 371 to the nearest ten → **R**

Round 49 to the nearest ten → **I**

Round 6,982 to the nearest thousand → **W**

Scratch space:

CLUE 3

Addition

A witness saw the suspect drop some training cones. Let us add up all the orange and blue cones they left on the field to find the next lead!

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

A		A						A							
8061	5134	8061	2817	9766	4428	2081	8377	4735	8061	2081	2346	5134	3992	4735	4735

								A									
2081	2817	8594	8377	2817	2346	3992	2081	8377	4735	8061	3798	9766	4428	5599	8594	4735	2283

$3709 + 4352 = \boxed{} \rightarrow \boxed{\text{A}}$

$1186 + 2612 = \boxed{} \rightarrow \boxed{\text{Y}}$

$5118 + 4648 = \boxed{} \rightarrow \boxed{\text{E}}$

$2075 + 1917 = \boxed{} \rightarrow \boxed{\text{I}}$

$3017 + 1411 = \boxed{} \rightarrow \boxed{\text{R}}$

$4187 + 4407 = \boxed{} \rightarrow \boxed{\text{O}}$

$976 + 1105 = \boxed{} \rightarrow \boxed{\text{S}}$

$2111 + 3488 = \boxed{} \rightarrow \boxed{\text{C}}$

$1540 + 743 = \boxed{} \rightarrow \boxed{\text{D}}$

$1039 + 1307 = \boxed{} \rightarrow \boxed{\text{H}}$

$2939 + 2195 = \boxed{} \rightarrow \boxed{\text{W}}$

$2169 + 2566 = \boxed{} \rightarrow \boxed{\text{L}}$

$1486 + 1331 = \boxed{} \rightarrow \boxed{\text{T}}$

$5553 + 2824 = \boxed{} \rightarrow \boxed{\text{P}}$

Scratch space:

CLUE 4 Subtraction

The equipment manager is missing some goalie jerseys. Subtract the dirty laundry from the total jerseys to see how many the thief took!

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

A																			
8716	2366	7005	7780	3617	4521	7538	6394	5924	4521	7941	8716	5201	3617	2095	8716	5201	7780		
			A				A												
2995	7941	7780	8716	5924	6192	6657	8716	2995	3617	3660	4555	7941	1358	3660	2095	5201	5924	6192	

$10316 - 1600 = \square \rightarrow \text{A}$

$6862 - 670 = \square \rightarrow \text{D}$

$10819 - 4895 = \square \rightarrow \text{N}$

$8058 - 520 = \square \rightarrow \text{P}$

$5565 - 3470 = \square \rightarrow \text{H}$

$10030 - 3373 = \square \rightarrow \text{W}$

$4601 - 941 = \square \rightarrow \text{E}$

$5085 - 530 = \square \rightarrow \text{F}$

$5423 - 4065 = \square \rightarrow \text{B}$

$9831 - 1890 = \square \rightarrow \text{T}$

$6307 - 3941 = \square \rightarrow \text{C}$

$7243 - 2722 = \square \rightarrow \text{Y}$

$6859 - 3864 = \square \rightarrow \text{S}$

$10148 - 4947 = \square \rightarrow \text{I}$

$11345 - 4340 = \square \rightarrow \text{U}$

$10772 - 2992 = \square \rightarrow \text{R}$

$6148 - 2531 = \square \rightarrow \text{L}$

$7017 - 623 = \square \rightarrow \text{O}$

Scratch space:

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

We found a pile of stolen energy bars. If we divide them equally among the five search teams, we can uncover the final clue!

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:

$66 \div 6 = \boxed{}$

$33 \div 11 = \boxed{}$

$32 \div 8 = \boxed{}$

$36 \div 6 = \boxed{}$

$64 \div 8 = \boxed{}$

$40 \div 8 = \boxed{}$

$22 \div 11 = \boxed{}$

$60 \div 5 = \boxed{}$

$70 \div 7 = \boxed{}$

$4 \div 4 = \boxed{}$

$99 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain zips a perfect Phantom Pass, then waves their Glow Gloves.
2. The villain zips a perfect Phantom Pass, then flashes their Gold Shinguards.
3. The villain zips a perfect Phantom Pass, then adjusts their Star Headband.
4. The villain scores a crazy Rocket Header, then flashes their Gold Shinguards.
5. The villain zips a perfect Phantom Pass, then runs away in Neon Cleats.
6. The villain makes a Super Wall Save, then flashes their Gold Shinguards.
7. The villain performs a Lightning Dribble, then runs away in Neon Cleats.
8. The villain makes a Super Wall Save, then adjusts their Star Headband.
9. The villain scores a crazy Rocket Header, then runs away in Neon Cleats.
10. The villain scores a crazy Rocket Header, then adjusts their Star Headband.
11. The villain does a flashy Tornado Kick, then waves their Glow Gloves.
12. The villain does a flashy Tornado Kick, then flashes their Gold Shinguards.

Answer Key

The Golden Boot Heist

Culprit: Pele

Lightning Dribble · Neon Cleats · Right Footed · Curly Ponytail · Water Splash

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE SUSPECT DOES NOT WEAR A RED WRISTBAND"

$12 \times 12 = 144$ (T) · $3 \times 4 = 12$ (H) · $11 \times 11 = 121$ (C) · $10 \times 7 = 70$ (I) · $4 \times 6 = 24$ (U) · $9 \times 5 = 45$ (S) · $10 \times 10 = 100$ (D) · $10 \times 12 = 120$ (A) · $1 \times 3 = 3$ (N) · $7 \times 9 = 63$ (P) · $5 \times 4 = 20$ (E) · $5 \times 3 = 15$ (O) · $1 \times 2 = 2$ (B) · $7 \times 4 = 28$ (R) · $1 \times 8 = 8$ (W)

Clue 2 (Rounding): "THE THIEF KICKED THE DOOR WITH A RIGHT FOOT"

Round 431 to the nearest ten = 430 (T) · Round 17 to the nearest ten = 20 (H) · Round 3,729 to the nearest hundred = 3700 (D) · Round 89 to the nearest ten = 90 (G) · Round 535 to the nearest hundred = 500 (K) · Round 1,727 to the nearest hundred = 1700 (O) · Round 5,229 to the nearest thousand = 5000 (C) · Round 198 to the nearest hundred = 200 (E) · Round 170 to the nearest ten = 170 (A) · Round 919 to the nearest hundred = 900 (F) · Round 371 to the nearest ten = 370 (R) · Round 49 to the nearest ten = 50 (I) · Round 6,982 to the nearest thousand = 7000 (W)

Clue 3 (Addition): "A WATER SPLASH WILL STOP THIS PLAYER COLD"

$3709 + 4352 = 8061$ (A) · $1186 + 2612 = 3798$ (Y) · $5118 + 4648 = 9766$ (E) · $2075 + 1917 = 3992$ (I) · $3017 + 1411 = 4428$ (R) · $4187 + 4407 = 8594$ (O) · $976 + 1105 = 2081$ (S) · $2111 + 3488 = 5599$ (C) · $1540 + 743 = 2283$ (D) · $1039 + 1307 = 2346$ (H) · $2939 + 2195 = 5134$ (W) · $2169 + 2566 = 4735$ (L) · $1486 + 1331 = 2817$ (T) · $5553 + 2824 = 8377$ (P)

Clue 4 (Subtraction): "A CURLY PONYTAIL HAIR STRAND WAS LEFT BEHIND"

$10316 - 1600 = 8716$ (A) · $6862 - 670 = 6192$ (D) · $10819 - 4895 = 5924$ (N) · $8058 - 520 = 7538$ (P) · $5565 - 3470 = 2095$ (H) · $10030 - 3373 = 6657$ (W) · $4601 - 941 = 3660$ (E) · $5085 - 530 = 4555$ (F) · $5423 - 4065 = 1358$ (B) · $9831 - 1890 = 7941$ (T) · $6307 - 3941 = 2366$ (C) · $7243 - 2722 = 4521$ (Y) · $6859 - 3864 = 2995$ (S) · $10148 - 4947 = 5201$ (I) · $11345 - 4340 = 7005$ (U) · $10772 - 2992 = 7780$ (R) · $6148 - 2531 = 3617$ (L) · $7017 - 623 = 6394$ (O)

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

$66 \div 6 = 11$ · $33 \div 11 = 3$ · $32 \div 8 = 4$ · $36 \div 6 = 6$ · $64 \div 8 = 8$ · $40 \div 8 = 5$ · $22 \div 11 = 2$ · $60 \div 5 = 12$ · $70 \div 7 = 10$ · $4 \div 4 = 1$ · $99 \div 11 = 9$