



# The Championship Trophy Heist

Grade 3 math · Rounding, Bar models, Word problems, Addition, Division · Reading level grades 3-4

Detective: \_\_\_\_\_ Date: \_\_\_\_\_

The golden championship trophy has vanished from the display case right before the big final match! The suspect is one of the star players. We need to look at the clues and find the thief before the whistle blows!

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 Golden Ball 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	LUCKY GEAR	PREFERRED FOOT	BANDANA COLOR	STADIUM WEAKNESS
Kylian	Rainbow Flick	Golden Cleats	Left Footed	Green Bandana	Loud Whistles
Erling	Knuckleball Free Kick	Spiked Gloves	Right Footed	Red Bandana	Bright Floodlights
Marcus	Power Header	Golden Cleats	Left Footed	Blue Bandana	Loud Whistles
Mo	Rainbow Flick	GPS Wristband	Left Footed	Red Bandana	Bright Floodlights
Bukayo	Bicycle Kick	GPS Wristband	Left Footed	Blue Bandana	Slippery Grass
Kevin	Bicycle Kick	GPS Wristband	Right Footed	Red Bandana	Slippery Grass
Karim	Speed Dribble	GPS Wristband	Right Footed	Blue Bandana	Bright Floodlights
Son	Power Header	Spiked Gloves	Left Footed	Blue Bandana	Loud Whistles
Sam	Speed Dribble	Golden Cleats	Left Footed	Red Bandana	Loud Whistles
Bruno	Rainbow Flick	GPS Wristband	Right Footed	Blue Bandana	Loud Whistles
Neymar	Rainbow Flick	Golden Cleats	Left Footed	Blue Bandana	Bright Floodlights
Harry	Speed Dribble	Spiked Gloves	Right Footed	Red Bandana	Slippery Grass
Alex	Speed Dribble	Neon Shin Guards	Left Footed	Blue Bandana	Loud Whistles
Marta	Knuckleball Free Kick	Spiked Gloves	Right Footed	Blue Bandana	Bright Floodlights
Cristiano	Rainbow Flick	Golden Cleats	Right Footed	Green Bandana	Bright Floodlights
Megan	Power Header	Striped Socks	Left Footed	Blue Bandana	Loud Whistles
Lauren	Rainbow Flick	Neon Shin Guards	Right Footed	Blue Bandana	Bright Floodlights
Jude	Speed Dribble	GPS Wristband	Left Footed	Red Bandana	Bright Floodlights
Wendy	Rainbow Flick	Striped Socks	Left Footed	Red Bandana	Loud Whistles
Chloe	Rainbow Flick	Golden Cleats	Left Footed	Blue Bandana	Loud Whistles
Leo	Speed Dribble	Spiked Gloves	Right Footed	Green Bandana	Bright Floodlights

**CLUE 1**

**Rounding**

Coach Carla needs to pack the gear bags before practice starts. If you can solve her word problem about the team soccer balls, she will share a hot tip about the thief.

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

<b>T</b>																	<b>T</b>
8000	500	80	60	800	90	9000	600	200	90	700	50	80	20	400	50	8000	
2000	80	200	90	20	300	5000	4000	80	700	9000	600	50	6000	80	20		

Round 8,287 to the nearest thousand  → **T**

Round 63 to the nearest ten  → **B**

Round 747 to the nearest hundred  → **D**

Round 1,876 to the nearest thousand  → **W**

Round 549 to the nearest hundred  → **H**

Round 375 to the nearest hundred  → **N**

Round 47 to the nearest ten  → **O**

Round 9,449 to the nearest thousand  → **G**

Round 598 to the nearest hundred  → **L**

Round 6,028 to the nearest thousand  → **V**

Round 782 to the nearest hundred  → **U**

Round 87 to the nearest ten  → **R**

Round 5,050 to the nearest thousand  → **I**

Round 331 to the nearest hundred  → **P**

Round 3,894 to the nearest thousand  → **K**

Round 81 to the nearest ten  → **E**

Round 19 to the nearest ten  → **S**

Round 209 to the nearest hundred  → **A**

Scratch space:

**CLUE 2** Bar models

The stadium crew is mapping out the turf zones with bar models to see where players ran. Solve their block puzzle to unlock a witness statement from the goalie.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A witness saw the villain was 

L										
---	--	--	--	--	--	--	--	--	--	--

.

24   17   4   23   4   20   20   23   17   22

13	11	→ <span style="border: 1px solid black; padding: 2px 5px;">L</span>
?		

39		→ <span style="border: 1px solid black; padding: 2px 5px;">D</span>
17	?	

2	2	→ <span style="border: 1px solid black; padding: 2px 5px;">F</span>
?		

37		→ <span style="border: 1px solid black; padding: 2px 5px;">E</span>
20	?	

12	8	→ <span style="border: 1px solid black; padding: 2px 5px;">O</span>
?		

34		→ <span style="border: 1px solid black; padding: 2px 5px;">T</span>
11	?	

Scratch space:

**CLUE 3** Word problems

The big electronic scoreboard is glitching and only displays rounded numbers of ticket sales. Round the spectator counts to the nearest hundred to boot up the security tape.

Solve each problem, then write its letter in the boxes to fill in the missing word.

Someone scared the villain off with             .

79    28    57    33    47    15    49                      79

There were 95 practice cones. 16 were used up. How many practice cones are left?  →

Coach Kelly lined up 11 rows of 3 yellow cards. How many yellow cards in all?  →

There were 70 practice cones. 21 were used up. How many practice cones are left?  →

Coach Kelly lined up 4 rows of 7 shin guards. How many shin guards in all?  →

There were 83 shin guards. 26 were used up. How many shin guards are left?  →

There were 81 water bottles. 34 were used up. How many water bottles are left?  →

There were 27 shin guards. 12 were used up. How many shin guards are left?  →

Scratch space:

**CLUE 4** Addition

We found a pile of discarded snack bar receipts near the locker room. Add up the total cost of the sports drinks to see who was buying snacks before the heist.

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

<b>B</b>																	
241	739	469	967	712	875	267	967	610	954	564	918	967	267	967			

564	368	610	292	292	967	954	679	368	712	875	967	368	967	712			

$90 + 151 = \square \rightarrow \text{B}$

$146 + 222 = \square \rightarrow \text{N}$

$92 + 200 = \square \rightarrow \text{G}$

$258 + 352 = \square \rightarrow \text{A}$

$657 + 310 = \square \rightarrow \text{E}$

$240 + 229 = \square \rightarrow \text{U}$

$240 + 472 = \square \rightarrow \text{T}$

$436 + 439 = \square \rightarrow \text{H}$

$363 + 555 = \square \rightarrow \text{W}$

$362 + 377 = \square \rightarrow \text{L}$

$381 + 573 = \square \rightarrow \text{D}$

$475 + 204 = \square \rightarrow \text{O}$

$133 + 134 = \square \rightarrow \text{R}$

$306 + 258 = \square \rightarrow \text{S}$

Scratch space:

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

The referee needs to split a large bin of practice cones equally among the junior teams. Divide the cones up to find the final clue left in the gear 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:**

$8 \div 2 = \square$

$20 \div 2 = \square$

$77 \div 7 = \square$

$40 \div 5 = \square$

$18 \div 3 = \square$

$108 \div 12 = \square$

$14 \div 2 = \square$

$5 \div 5 = \square$

$3 \div 1 = \square$

$55 \div 11 = \square$

$4 \div 2 = \square$

**Step 2 - cross out the sentence with each answer:**

1. The villain executes a speed dribble, then checks their gps wristband.
2. The villain executes a speed dribble, then tightens their spiked gloves.
3. The villain blasts a knuckleball free kick, then tightens their spiked gloves.
4. The villain scores a power header, then pulls up their striped socks.
5. The villain performs a bicycle kick, then checks their gps wristband.
6. The villain blasts a knuckleball free kick, then adjusts their neon shin guards.
7. The villain scores a power header, then adjusts their neon shin guards.
8. The villain performs a bicycle kick, then pulls up their striped socks.
9. The villain blasts a knuckleball free kick, then pulls up their striped socks.
10. The villain scores a power header, then polishes their golden cleats.
11. The villain shows off a rainbow flick, then polishes their golden cleats.
12. The villain executes a speed dribble, then adjusts their neon shin guards.

# Answer Key

## The Championship Trophy Heist

### Culprit: Alex

Speed Dribble · Neon Shin Guards · Left Footed · Blue Bandana · Loud Whistles

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

### Clue 1 (Rounding): "THE BURGLAR DOES NOT WEAR SPIKED GLOVES"

Round 8,287 to the nearest thousand = 8000 (T) · Round 63 to the nearest ten = 60 (B) · Round 747 to the nearest hundred = 700 (D) · Round 1,876 to the nearest thousand = 2000 (W) · Round 549 to the nearest hundred = 500 (H) · Round 375 to the nearest hundred = 400 (N) · Round 47 to the nearest ten = 50 (O) · Round 9,449 to the nearest thousand = 9000 (G) · Round 598 to the nearest hundred = 600 (L) · Round 6,028 to the nearest thousand = 6000 (V) · Round 782 to the nearest hundred = 800 (U) · Round 87 to the nearest ten = 90 (R) · Round 5,050 to the nearest thousand = 5000 (I) · Round 331 to the nearest hundred = 300 (P) · Round 3,894 to the nearest thousand = 4000 (K) · Round 81 to the nearest ten = 80 (E) · Round 19 to the nearest ten = 20 (S) · Round 209 to the nearest hundred = 200 (A)

### Clue 2 (Bar models): "LEFT FOOTED"

One part is 13 and the other part is 11. What is the whole? = 24 (L) · The whole is 39. One part is 17. What is the other part? = 22 (D) · One part is 2 and the other part is 2. What is the whole? = 4 (F) · The whole is 37. One part is 20. What is the other part? = 17 (E) · One part is 12 and the other part is 8. What is the whole? = 20 (O) · One bar shows 34 and the other shows 11. How much longer is the first bar? = 23 (T)

### Clue 3 (Word problems): "LOUD WHISTLES"

There were 95 practice cones. 16 were used up. How many practice cones are left? = 79 (L) · Coach Kelly lined up 11 rows of 3 yellow cards. How many yellow cards in all? = 33 (D) · There were 70 practice cones. 21 were used up. How many practice cones are left? = 49 (I) · Coach Kelly lined up 4 rows of 7 shin guards. How many shin guards in all? = 28 (O) · There were 83 shin guards. 26 were used up. How many shin guards are left? = 57 (U) · There were 81 water bottles. 34 were used up. How many water bottles are left? = 47 (W) · There were 27 shin guards. 12 were used up. How many shin guards are left? = 15 (H)

### Clue 4 (Addition): "BLUE THREADS WERE SNAGGED ON THE NET"

$90 + 151 = 241$  (B) ·  $146 + 222 = 368$  (N) ·  $92 + 200 = 292$  (G) ·  $258 + 352 = 610$  (A) ·  $657 + 310 = 967$  (E) ·  $240 + 229 = 469$  (U) ·  $240 + 472 = 712$  (T) ·  $436 + 439 = 875$  (H) ·  $363 + 555 = 918$  (W) ·  $362 + 377 = 739$  (L) ·  $381 + 573 = 954$  (D) ·  $475 + 204 = 679$  (O) ·  $133 + 134 = 267$  (R) ·  $306 + 258 = 564$  (S)

### Clue 5 (Division facts (1-12)): surviving statement is box 12 → Alex

$8 \div 2 = 4$  ·  $20 \div 2 = 10$  ·  $77 \div 7 = 11$  ·  $40 \div 5 = 8$  ·  $18 \div 3 = 6$  ·  $108 \div 12 = 9$  ·  $14 \div 2 = 7$  ·  $5 \div 5 = 1$  ·  $3 \div 1 = 3$  ·  $55 \div 11 = 5$  ·  $4 \div 2 = 2$