



The Championship Cup Caper

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

Detective: _____ Date: _____

The Golden Championship Cup has vanished from the team locker room right before the final match! A noisy suspect was seen running past the stadium gates carrying a bag of vuvuzelas. Detective, we must find the thief and save the World Cup!

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 trophy thief is _____

Possible suspects

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

NAME	SOCCER SKILL	LUCKY GEAR	PLAYER TEAM	DREADLOCK STYLE	LOUD NOISE FEAR
Ruby	bicycle kick	captain armband	boy player	green dreadlocks	loud vuvuzela
Charlie	turbo dribble	goalie gloves	girl player	green dreadlocks	squeaky whistle
Isaac	curving freekick	shiny shin guards	boy player	black dreadlocks	flashing cameras
Leo	turbo dribble	striped jersey	girl player	green dreadlocks	squeaky whistle
Oscar	curving freekick	neon cleats	boy player	green dreadlocks	squeaky whistle
Alex	curving freekick	neon cleats	girl player	black dreadlocks	loud vuvuzela
Jake	bicycle kick	goalie gloves	boy player	gold dreadlocks	loud vuvuzela
Sam	power save	goalie gloves	boy player	black dreadlocks	loud vuvuzela
Mia	power save	striped jersey	girl player	green dreadlocks	squeaky whistle
Nora	bicycle kick	striped jersey	boy player	gold dreadlocks	loud vuvuzela
Will	power save	striped jersey	boy player	green dreadlocks	loud vuvuzela
Penny	curving freekick	captain armband	girl player	gold dreadlocks	loud vuvuzela
Kai	power save	neon cleats	boy player	black dreadlocks	squeaky whistle
Yusuf	bullet header	shiny shin guards	boy player	green dreadlocks	flashing cameras
Quinn	power save	neon cleats	girl player	green dreadlocks	loud vuvuzela
Freddie	turbo dribble	neon cleats	girl player	gold dreadlocks	flashing cameras
Benny	bicycle kick	striped jersey	girl player	gold dreadlocks	squeaky whistle
Hugo	curving freekick	striped jersey	boy player	gold dreadlocks	loud vuvuzela
Ethan	power save	neon cleats	girl player	green dreadlocks	squeaky whistle
Gaby	power save	shiny shin guards	girl player	green dreadlocks	squeaky whistle
Zack	turbo dribble	goalie gloves	boy player	green dreadlocks	flashing cameras

CLUE 1 Rounding

A security guard looked at the stadium ticket counter radar, but the digital display was broken and only showed the nearest hundred. Let's use this rounded number to narrow down the gear.

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

T			T												T
3000	4700	2800000	3000	4700	20000	2800000	2800	20	5000	2800000	1400000	700	5000	3000	
200000	2800000	700000	500000	280	5000	700000	310	20000	2800000	280	310	5000	30	2800000	1400000

Round 3,260 to the nearest thousand →

T

Round 5,396 to the nearest thousand →

O

Round 4,744 to the nearest hundred →

H

Round 712,922 to the nearest hundred thousand →

A

Round 1,352,239 to the nearest hundred thousand →

S

Round 714 to the nearest hundred →

N

Round 31 to the nearest ten →

V

Round 24,035 to the nearest ten thousand →

I

Round 2,790 to the nearest hundred →

F

Round 2,781,640 to the nearest hundred thousand →

E

Round 238,418 to the nearest hundred thousand →

W

Round 314 to the nearest ten →

L

Round 284 to the nearest ten →

G

Round 22 to the nearest ten →

D

Round 528,585 to the nearest hundred thousand →

R

Scratch space:

CLUE 2 Addition

We found two bags of dropped energy drinks by the training pitch. Adding the bottles in both bags tells us about the suspect's team.

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

T																	
9749	6601	6357	6914	9042	6413	6413	6357	6914	6601	9208	4381	9208	4267	5504	6914	6202	2852

		T						
9718	5504	9749	9847	6601	9718	9208	2852	2852

$3276 + 6473 = \square \rightarrow \boxed{\text{T}}$	$1945 + 2322 = \square \rightarrow \boxed{\text{G}}$	$3930 + 2671 = \square \rightarrow \boxed{\text{H}}$
$3405 + 3008 = \square \rightarrow \boxed{\text{N}}$	$2839 + 3363 = \square \rightarrow \boxed{\text{L}}$	$5859 + 3988 = \square \rightarrow \boxed{\text{C}}$
$1527 + 1325 = \square \rightarrow \boxed{\text{S}}$	$2312 + 4045 = \square \rightarrow \boxed{\text{E}}$	$3518 + 5690 = \square \rightarrow \boxed{\text{A}}$
$2649 + 4265 = \square \rightarrow \boxed{\text{R}}$	$2208 + 2173 = \square \rightarrow \boxed{\text{D}}$	$6071 + 2971 = \square \rightarrow \boxed{\text{U}}$
$3392 + 2112 = \square \rightarrow \boxed{\text{I}}$	$4198 + 5520 = \square \rightarrow \boxed{\text{P}}$	

Scratch space:

CLUE 3 Subtraction

The stadium lights had some bulbs burst during the warm-up. Subtracting the broken bulbs from the total gives us a clue to their weakness.

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

T																				
2287	5063	8058	6530	4801	6530	1802	8058	8847	2287	6530	5063	8824	4301	1708	1263	4856	8824	7825	4904	

					T							
4301	3949	5063	2638	6530	2287	2653	8058	3967	2653	7825	3949	

6824 - 4537 = → T	4188 - 1535 = → L	6737 - 1936 = → U
7754 - 3805 = → W	7607 - 2751 = → F	9802 - 1977 = → O
11250 - 4720 = → S	9816 - 4912 = → M	3400 - 762 = → I
3375 - 2112 = → K	4578 - 277 = → A	6658 - 1595 = → H
5650 - 3848 = → P	8485 - 4518 = → B	3102 - 1394 = → N
12128 - 3304 = → R	9403 - 556 = → C	12711 - 4653 = → E

Scratch space:

CLUE 4

Multiplication facts (1-12)

The team photographers arranged the fans into equal rows for a big picture. Multiplying the rows reveals a clue about the thief's dreadlocks.

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

W																	
25	108	8	72	81	28	3	110	40	108	108	28	2	6	40	28	72	28
44	88	108	110	40	6	7	7										

$5 \times 5 = \square \rightarrow \boxed{W}$

$10 \times 11 = \square \rightarrow \boxed{G}$

$4 \times 11 = \square \rightarrow \boxed{T}$

$1 \times 2 = \square \rightarrow \boxed{Y}$

$1 \times 7 = \square \rightarrow \boxed{S}$

$9 \times 9 = \square \rightarrow \boxed{U}$

$12 \times 9 = \square \rightarrow \boxed{E}$

$1 \times 3 = \square \rightarrow \boxed{D}$

$8 \times 5 = \square \rightarrow \boxed{R}$

$8 \times 9 = \square \rightarrow \boxed{O}$

$6 \times 1 = \square \rightarrow \boxed{A}$

$2 \times 4 = \square \rightarrow \boxed{F}$

$11 \times 8 = \square \rightarrow \boxed{H}$

$7 \times 4 = \square \rightarrow \boxed{N}$

Scratch space:

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

The ball boys wanted to split the training cones equally among the fields. Dividing the cones gives us the final secret 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:

$14 \div 2 = \boxed{}$

$24 \div 3 = \boxed{}$

$40 \div 8 = \boxed{}$

$10 \div 5 = \boxed{}$

$21 \div 7 = \boxed{}$

$84 \div 7 = \boxed{}$

$10 \div 1 = \boxed{}$

$99 \div 11 = \boxed{}$

$1 \div 1 = \boxed{}$

$66 \div 11 = \boxed{}$

$28 \div 7 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain scored with a bullet header, then adjusted their shiny shin guards.
2. The villain sped past with a turbo dribble, then flashed their neon cleats.
3. The villain scored with a bullet header, then waved their striped jersey.
4. The villain bent the ball with a curving freekick, then flashed their neon cleats.
5. The villain blocked a shot with a power save, then adjusted their shiny shin guards.
6. The villain bent the ball with a curving freekick, then waved their striped jersey.
7. The villain sped past with a turbo dribble, then waved their striped jersey.
8. The villain blocked a shot with a power save, then waved their striped jersey.
9. The villain scored with a bullet header, then pulled on their goalie gloves.
10. The villain scored with a bullet header, then pointed to their captain armband.
11. The villain blocked a shot with a power save, then flashed their neon cleats.
12. The villain bent the ball with a curving freekick, then adjusted their shiny shin guards.

Answer Key

The Championship Cup Caper

Culprit: Ethan

power save · neon cleats · girl player · green dreadlocks · squeaky whistle

Trail: Start 21 → Clue 1 17 → Clue 2 9 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE THIEF DOES NOT WEAR GOALIE GLOVES"

Round 3,260 to the nearest thousand = 3000 (T) · Round 5,396 to the nearest thousand = 5000 (O) · Round 4,744 to the nearest hundred = 4700 (H) · Round 712,922 to the nearest hundred thousand = 700000 (A) · Round 1,352,239 to the nearest hundred thousand = 1400000 (S) · Round 714 to the nearest hundred = 700 (N) · Round 31 to the nearest ten = 30 (V) · Round 24,035 to the nearest ten thousand = 20000 (I) · Round 2,790 to the nearest hundred = 2800 (F) · Round 2,781,640 to the nearest hundred thousand = 2800000 (E) · Round 238,418 to the nearest hundred thousand = 200000 (W) · Round 314 to the nearest ten = 310 (L) · Round 284 to the nearest ten = 280 (G) · Round 22 to the nearest ten = 20 (D) · Round 528,585 to the nearest hundred thousand = 500000 (R)

Clue 2 (Addition): "THE RUNNER HAD A GIRLS PITCH PASS"

$3276 + 6473 = 9749$ (T) · $1945 + 2322 = 4267$ (G) · $3930 + 2671 = 6601$ (H) · $3405 + 3008 = 6413$ (N) · $2839 + 3363 = 6202$ (L) · $5859 + 3988 = 9847$ (C) · $1527 + 1325 = 2852$ (S) · $2312 + 4045 = 6357$ (E) · $3518 + 5690 = 9208$ (A) · $2649 + 4265 = 6914$ (R) · $2208 + 2173 = 4381$ (D) · $6071 + 2971 = 9042$ (U) · $3392 + 2112 = 5504$ (I) · $4198 + 5520 = 9718$ (P)

Clue 3 (Subtraction): "THE SUSPECT SHRANK FROM A WHISTLE BLOW"

$6824 - 4537 = 2287$ (T) · $4188 - 1535 = 2653$ (L) · $6737 - 1936 = 4801$ (U) · $7754 - 3805 = 3949$ (W) · $7607 - 2751 = 4856$ (F) · $9802 - 1977 = 7825$ (O) · $11250 - 4720 = 6530$ (S) · $9816 - 4912 = 4904$ (M) · $3400 - 762 = 2638$ (I) · $3375 - 2112 = 1263$ (K) · $4578 - 277 = 4301$ (A) · $6658 - 1595 = 5063$ (H) · $5650 - 3848 = 1802$ (P) · $8485 - 4518 = 3967$ (B) · $3102 - 1394 = 1708$ (N) · $12128 - 3304 = 8824$ (R) · $9403 - 556 = 8847$ (C) · $12711 - 4653 = 8058$ (E)

Clue 4 (Multiplication facts (1-12)): "WE FOUND GREEN YARN ON THE GRASS"

$5 \times 5 = 25$ (W) · $10 \times 11 = 110$ (G) · $4 \times 11 = 44$ (T) · $1 \times 2 = 2$ (Y) · $1 \times 7 = 7$ (S) · $9 \times 9 = 81$ (U) · $12 \times 9 = 108$ (E) · $1 \times 3 = 3$ (D) · $8 \times 5 = 40$ (R) · $8 \times 9 = 72$ (O) · $6 \times 1 = 6$ (A) · $2 \times 4 = 8$ (F) · $11 \times 8 = 88$ (H) · $7 \times 4 = 28$ (N)

Clue 5 (Division facts (1-12)): surviving statement is box 11 → Ethan

$14 \div 2 = 7$ · $24 \div 3 = 8$ · $40 \div 8 = 5$ · $10 \div 5 = 2$ · $21 \div 7 = 3$ · $84 \div 7 = 12$ · $10 \div 1 = 10$ · $99 \div 11 = 9$ · $1 \div 1 = 1$ · $66 \div 11 = 6$ · $28 \div 7 = 4$