



The Championship Trophy Caper

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

Detective: _____ Date: _____

The Golden Cup is missing! It was stolen right from the middle of the stadium pitch. The big final match is tonight, and we need the trophy back. The thief left a trail of soccer drills and clues. Use your math skills to help the detective find the culprit among the league's star 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 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	SUPER SKILL	SECRET GEAR	SHOOTING FOOT	MATCH DAY HAIR	MATCH DISLIKE
Lucy	Lightning Dribble	Bounce Socks	Right Footed	Braided Ponytail	Loud Whistles
Harry	Rocket Kick	Glow Boots	Left Footed	Spiky Mohawk	Loud Whistles
Rose	Rocket Kick	Glow Boots	Left Footed	Neon Green Dye	Muddy Turf
Kevin	Rocket Kick	Sticky Gloves	Right Footed	Neon Green Dye	Loud Whistles
Marta	Sonic Sprint	Turbo Shin Guards	Left Footed	Spiky Mohawk	Soggy Oranges
Cristiano	Sonic Sprint	Bounce Socks	Right Footed	Braided Ponytail	Muddy Turf
Neymar	Lightning Dribble	Turbo Shin Guards	Right Footed	Neon Green Dye	Loud Whistles
Robert	Rocket Kick	Glow Boots	Right Footed	Neon Green Dye	Soggy Oranges
Wendie	Lightning Dribble	GPS Headband	Right Footed	Spiky Mohawk	Loud Whistles
Mohamed	Super Save	Turbo Shin Guards	Right Footed	Neon Green Dye	Loud Whistles
Luka	Rocket Kick	Bounce Socks	Right Footed	Spiky Mohawk	Soggy Oranges
Kylian	Sonic Sprint	Turbo Shin Guards	Right Footed	Neon Green Dye	Soggy Oranges
Marcus	Rocket Kick	GPS Headband	Right Footed	Neon Green Dye	Loud Whistles
Megan	Mega Header	GPS Headband	Left Footed	Neon Green Dye	Soggy Oranges
Chloe	Lightning Dribble	Glow Boots	Left Footed	Neon Green Dye	Loud Whistles
Alex Morgan	Lightning Dribble	Bounce Socks	Left Footed	Braided Ponytail	Loud Whistles
Alessia	Sonic Sprint	Turbo Shin Guards	Right Footed	Spiky Mohawk	Loud Whistles
Ada	Rocket Kick	GPS Headband	Left Footed	Braided Ponytail	Muddy Turf
Lionel	Rocket Kick	Turbo Shin Guards	Left Footed	Braided Ponytail	Soggy Oranges
Erling	Mega Header	Turbo Shin Guards	Right Footed	Neon Green Dye	Loud Whistles
Bukayo	Rocket Kick	Glow Boots	Right Footed	Braided Ponytail	Soggy Oranges

CLUE 1 Addition

To find where the thief went, we need to count all the soccer balls left on the practice field. Let us add up the balls in the net and the balls on the grass.

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

A number line from 0 to 1000 with boxes for numbers. The boxes are arranged in two rows. The first row contains boxes for 969, 936, 680, 969, 936, 634, 680, 543, 287, 968, 680, 504, 948, 968, 969, 889, 680, 895, and 540. The second row contains boxes for 895, 756, 786, 504, 936, 680, 895, 287, 653, 895, 948, and 287. The boxes for 969, 968, and 969 in the first row are highlighted in orange and contain the letter 'T'.

$$516 + 453 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$296 + 244 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$495 + 453 = \boxed{} \rightarrow \boxed{\text{N}}$$

$150 + 137 = \boxed{} \rightarrow \mathbf{D}$

$228 + 315 = \boxed{} \rightarrow \boxed{\text{F}}$

$$277 + 227 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$604 + 332 = \boxed{} \rightarrow \boxed{\text{H}}$$

$549 + 237 = \square \rightarrow \text{P}$

$467 + 289 = \square \rightarrow \mathbf{G}$

$212 + 468 = \boxed{} \rightarrow \boxed{\text{E}}$

$354 + 299 = \boxed{} \rightarrow \boxed{\text{B}}$

$$567 + 328 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$587 + 302 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$655 + 313 = \boxed{} \rightarrow \boxed{0}$$

$$386 + 248 = \boxed{} \rightarrow \boxed{}$$

Scratch space:

CLUE 2 Rounding

The stadium scoreboard is broken and only displays estimated numbers now. We must round the total seat count to the nearest ten to unlock the video tape.

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

T			T												
7000	90	400	7000	90	50	400	8000	2000	50	80	2000	400	200	300	
				T				T							
600	50	40	90	7000	8000	900	900	7000	400	200	3000	300	5000	5000	

Round 6,845 to the nearest thousand → **T**

Round 8,015 to the nearest thousand → **F**

Round 5,441 to the nearest thousand → **L**

Round 51 to the nearest ten → **I**

Round 2,677 to the nearest thousand → **B**

Round 1,673 to the nearest thousand → **K**

Round 947 to the nearest hundred → **O**

Round 600 to the nearest hundred → **R**

Round 417 to the nearest hundred → **E**

Round 76 to the nearest ten → **C**

Round 39 to the nearest ten → **G**

Round 205 to the nearest hundred → **D**

Round 251 to the nearest hundred → **A**

Round 88 to the nearest ten → **H**

Scratch space:

CLUE 3 Subtraction

The team had a big box of clean scrimmage vests. Some of them went missing after the heist. Subtract the remaining vests to see how many the thief took.

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

T 559	447	641	T 559	447	537	641	196	564	876	140	641	799	641	385	T 559	447	641	537	799
641	258	799	466	258	T 559	217	447	537	466	T 559	229	641	466						

$609 - 50 = \square \rightarrow \boxed{\text{T}}$	$505 - 39 = \square \rightarrow \boxed{\text{S}}$	$540 - 400 = \square \rightarrow \boxed{\text{V}}$
$910 - 346 = \square \rightarrow \boxed{\text{C}}$	$530 - 145 = \square \rightarrow \boxed{\text{D}}$	$505 - 58 = \square \rightarrow \boxed{\text{H}}$
$1035 - 159 = \square \rightarrow \boxed{\text{O}}$	$567 - 350 = \square \rightarrow \boxed{\text{W}}$	$579 - 42 = \square \rightarrow \boxed{\text{I}}$
$538 - 309 = \square \rightarrow \boxed{\text{L}}$	$693 - 52 = \square \rightarrow \boxed{\text{E}}$	$530 - 334 = \square \rightarrow \boxed{\text{F}}$
$636 - 378 = \square \rightarrow \boxed{\text{A}}$	$967 - 168 = \square \rightarrow \boxed{\text{R}}$	

Scratch space:

CLUE 4

Multiplication facts (1-12)

The cones on the drill field are set up in equal rows. We can multiply the number of rows by the cones in each row to find the secret path.

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

W															
132	63	15	48	9	24	64	24	63	48	24	96	6	63	63	24
8	120	27	6	48	24	36	8	63	24	63	36				

$12 \times 11 = \square \rightarrow \boxed{\text{W}}$

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

$3 \times 8 = \square \rightarrow \boxed{\text{N}}$

$9 \times 4 = \square \rightarrow \boxed{\text{T}}$

$4 \times 2 = \square \rightarrow \boxed{\text{H}}$

$8 \times 8 = \square \rightarrow \boxed{\text{D}}$

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

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

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

$12 \times 8 = \square \rightarrow \boxed{\text{G}}$

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

$4 \times 12 = \square \rightarrow \boxed{\text{O}}$

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

Scratch space:

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

The referee has a big bag of orange slices to share equally among the youth teams. Divide the slices to find the magic number that unlocks the locker room 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:

$42 \div 6 = \boxed{}$

$36 \div 3 = \boxed{}$

$56 \div 7 = \boxed{}$

$6 \div 3 = \boxed{}$

$110 \div 10 = \boxed{}$

$108 \div 12 = \boxed{}$

$60 \div 6 = \boxed{}$

$35 \div 7 = \boxed{}$

$48 \div 12 = \boxed{}$

$5 \div 5 = \boxed{}$

$21 \div 7 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain sprints down the wing, then checks their GPS headband.
2. The villain leaps to make a save, then jumps high in their bounce socks.
3. The villain sprints down the wing, then zooms off using turbo shin guards.
4. The villain headers the ball into the net, then jumps high in their bounce socks.
5. The villain sprints down the wing, then grabs the trophy with sticky gloves.
6. The villain blasts a rocket shot, then grabs the trophy with sticky gloves.
7. The villain headers the ball into the net, then zooms off using turbo shin guards.
8. The villain dribbles past the goalie, then zooms off using turbo shin guards.
9. The villain dribbles past the goalie, then jumps high in their bounce socks.
10. The villain headers the ball into the net, then grabs the trophy with sticky gloves.
11. The villain blasts a rocket shot, then zooms off using turbo shin guards.
12. The villain leaps to make a save, then zooms off using turbo shin guards.

Answer Key

The Championship Trophy Caper

Culprit: Kevin

Rocket Kick · Sticky Gloves · Right Footed · Neon Green Dye · Loud Whistles

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE THIEF DOES NOT WEAR A GPS HEADBAND"

$516 + 453 = 969$ (T) · $296 + 244 = 540$ (R) · $495 + 453 = 948$ (N) · $150 + 137 = 287$ (D) · $228 + 315 = 543$ (F) · $277 + 227 = 504$ (S) · $604 + 332 = 936$ (H) · $549 + 237 = 786$ (P) · $467 + 289 = 756$ (G) · $212 + 468 = 680$ (E) · $354 + 299 = 653$ (B) · $567 + 328 = 895$ (A) · $587 + 302 = 889$ (W) · $655 + 313 = 968$ (O) · $386 + 248 = 634$ (I)

Clue 2 (Rounding): "THE THIEF KICKED A RIGHT FOOTED BALL"

Round 6,845 to the nearest thousand = 7000 (T) · Round 8,015 to the nearest thousand = 8000 (F) · Round 5,441 to the nearest thousand = 5000 (L) · Round 51 to the nearest ten = 50 (I) · Round 2,677 to the nearest thousand = 3000 (B) · Round 1,673 to the nearest thousand = 2000 (K) · Round 947 to the nearest hundred = 900 (O) · Round 600 to the nearest hundred = 600 (R) · Round 417 to the nearest hundred = 400 (E) · Round 76 to the nearest ten = 80 (C) · Round 39 to the nearest ten = 40 (G) · Round 205 to the nearest hundred = 200 (D) · Round 251 to the nearest hundred = 300 (A) · Round 88 to the nearest ten = 90 (H)

Clue 3 (Subtraction): "THE THIEF COVERED THEIR EARS AT WHISTLES"

$609 - 50 = 559$ (T) · $505 - 39 = 466$ (S) · $540 - 400 = 140$ (V) · $910 - 346 = 564$ (C) · $530 - 145 = 385$ (D) · $505 - 58 = 447$ (H) · $1035 - 159 = 876$ (O) · $567 - 350 = 217$ (W) · $579 - 42 = 537$ (I) · $538 - 309 = 229$ (L) · $693 - 52 = 641$ (E) · $530 - 334 = 196$ (F) · $636 - 378 = 258$ (A) · $967 - 168 = 799$ (R)

Clue 4 (Multiplication facts (1-12)): "WE FOUND NEON GREEN HAIR ON THE NET"

$12 \times 11 = 132$ (W) · $9 \times 3 = 27$ (I) · $3 \times 8 = 24$ (N) · $9 \times 4 = 36$ (T) · $4 \times 2 = 8$ (H) · $8 \times 8 = 64$ (D) · $3 \times 5 = 15$ (F) · $9 \times 7 = 63$ (E) · $2 \times 3 = 6$ (R) · $12 \times 8 = 96$ (G) · $10 \times 12 = 120$ (A) · $4 \times 12 = 48$ (O) · $9 \times 1 = 9$ (U)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → Kevin

$42 \div 6 = 7$ · $36 \div 3 = 12$ · $56 \div 7 = 8$ · $6 \div 3 = 2$ · $110 \div 10 = 11$ · $108 \div 12 = 9$ · $60 \div 6 = 10$ · $35 \div 7 = 5$ · $48 \div 12 = 4$ · $5 \div 5 = 1$ · $21 \div 7 = 3$