



The Case of the Missing Championship Trophy

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

Detective: _____ Date: _____

The giant Championship Trophy has vanished from the Grand Sports Arena right before the big game! The trophy keeper needs your help to examine the locker rooms, check the gear, and find out which athlete took it.

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 stadium rascal 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	STANCE	HAIRSTYLE	DISTRACTION
Tom Brady	Bicycle Kick	Platinum Bat	Right Handed	Curly Buzzcut	Loud Whistle
Simone Biles	Bicycle Kick	Grip Gloves	Right Handed	Curly Buzzcut	Bright Flashlight
Candace Parker	Power Serve	Platinum Bat	Right Handed	Spiky Crop	Loud Whistle
Maya Moore	Power Serve	Laser Goggles	Right Handed	Spiky Crop	Squeaky Shoes
Venus Williams	Bicycle Kick	Platinum Bat	Right Handed	Sleek Ponytail	Loud Whistle
Luka Doncic	Power Serve	Laser Goggles	Right Handed	Sleek Ponytail	Loud Whistle
Serena Williams	Bicycle Kick	Golden Cleats	Right Handed	Curly Buzzcut	Bright Flashlight
Shohei Ohtani	Curveball Strike	Grip Gloves	Left Handed	Spiky Crop	Bright Flashlight
Katie Ledecky	Fast Break Dunk	Golden Cleats	Left Handed	Curly Buzzcut	Bright Flashlight
LeBron James	Fast Break Dunk	Platinum Bat	Left Handed	Sleek Ponytail	Squeaky Shoes
Cristiano Ronaldo	Power Serve	Grip Gloves	Right Handed	Spiky Crop	Bright Flashlight
Patrick Mahomes	Bicycle Kick	Neon Whistle	Right Handed	Curly Buzzcut	Bright Flashlight
Steph Curry	Bicycle Kick	Grip Gloves	Right Handed	Sleek Ponytail	Bright Flashlight
Megan Rapinoe	Power Serve	Laser Goggles	Right Handed	Spiky Crop	Bright Flashlight
Alex Morgan	Curveball Strike	Platinum Bat	Left Handed	Spiky Crop	Squeaky Shoes
Wayne Gretzky	Goalie Save	Golden Cleats	Right Handed	Spiky Crop	Squeaky Shoes
Shaquille O Neal	Goalie Save	Platinum Bat	Right Handed	Curly Buzzcut	Squeaky Shoes
Giannis Antetokounmpo	Curveball Strike	Grip Gloves	Right Handed	Curly Buzzcut	Bright Flashlight
Naomi Osaka	Power Serve	Laser Goggles	Left Handed	Spiky Crop	Bright Flashlight
Chloe Kim	Power Serve	Grip Gloves	Left Handed	Curly Buzzcut	Squeaky Shoes
Marta Vieira	Bicycle Kick	Platinum Bat	Right Handed	Curly Buzzcut	Bright Flashlight

CLUE 1 Addition

Coach Cruz adds up all the practice points from both morning and afternoon training sessions.

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

T																T
307	870	839	708	674	541	541	764	674	954	756	669	839	759	954	669	307

											T			
418	759	839	764	954	839	669	954	740	870	674	759	307	541	839

$187 + 120 = \boxed{} \rightarrow \boxed{\text{T}}$

$446 + 424 = \boxed{} \rightarrow \boxed{\text{H}}$

$339 + 335 = \boxed{} \rightarrow \boxed{\text{I}}$

$309 + 455 = \boxed{} \rightarrow \boxed{\text{A}}$

$299 + 540 = \boxed{} \rightarrow \boxed{\text{E}}$

$476 + 283 = \boxed{} \rightarrow \boxed{\text{S}}$

$456 + 252 = \boxed{} \rightarrow \boxed{\text{V}}$

$478 + 278 = \boxed{} \rightarrow \boxed{\text{D}}$

$660 + 294 = \boxed{} \rightarrow \boxed{\text{N}}$

$135 + 283 = \boxed{} \rightarrow \boxed{\text{U}}$

$248 + 421 = \boxed{} \rightarrow \boxed{\text{O}}$

$442 + 298 = \boxed{} \rightarrow \boxed{\text{W}}$

$315 + 226 = \boxed{} \rightarrow \boxed{\text{L}}$

Scratch space:

CLUE 2

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

$1093 - 239 = \boxed{} \rightarrow \boxed{\text{T}}$

$898 - 205 = \boxed{} \rightarrow \boxed{\text{U}}$

$$964 - 137 = \boxed{} \rightarrow \mathbf{W}$$

$$437 - 207 = \boxed{} \rightarrow \boxed{\text{I}}$$

$344 - 167 = \boxed{} \rightarrow \boxed{\mathbf{A}}$

$504 - 76 = \boxed{} \rightarrow \boxed{\text{R}}$

$$729 - 224 = \boxed{} \rightarrow \boxed{\text{E}}$$

$1156 - 389 = \boxed{} \rightarrow \boxed{\text{G}}$

$$1029 - 355 = \boxed{} \rightarrow \boxed{\text{H}}$$

292 - 68 = → **N**

$915 - 277 = \boxed{} \rightarrow \boxed{\mathbf{D}}$

$$572 - 355 = \boxed{} \rightarrow \boxed{\text{S}}$$

Scratch space:

CLUE 3

Multiplication facts (1-12)

The equipment manager calculates total gear by multiplying the rows of locker bins.

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

A									A							
108	30	54	18	55	80	48	8	28	108	22	80	28	18	55	80	48

		A											A		
22	81	108	54	21	42	48	80	21	14	18	28	28	108	18	120

$9 \times 12 = \square \rightarrow \boxed{\text{A}}$

$2 \times 7 = \square \rightarrow \boxed{\text{V}}$

$11 \times 2 = \square \rightarrow \boxed{\text{S}}$

$9 \times 9 = \square \rightarrow \boxed{\text{C}}$

$7 \times 3 = \square \rightarrow \boxed{\text{E}}$

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

$11 \times 5 = \square \rightarrow \boxed{\text{G}}$

$9 \times 2 = \square \rightarrow \boxed{\text{I}}$

$7 \times 6 = \square \rightarrow \boxed{\text{D}}$

$4 \times 7 = \square \rightarrow \boxed{\text{L}}$

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

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

$8 \times 10 = \square \rightarrow \boxed{\text{H}}$

$9 \times 6 = \square \rightarrow \boxed{\text{R}}$

$6 \times 5 = \square \rightarrow \boxed{\text{B}}$

Scratch space:

CLUE 4 Rounding

The stadium digital display rounds off the precise runner times to the nearest full second.

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

A																			
70	7000	9000	800	200	300	90	9000	600	600	7000	9000	900	80	A	60	800			
	A																		
3000	70	5000	2000	700	9000	500	40	700	500	900	80	20	900	800	700	8000	80	300	

Round 73 to the nearest ten → **A**

Round 2,838 to the nearest thousand → **W**

Round 7,250 to the nearest thousand → **C**

Round 4,944 to the nearest thousand → **S**

Round 18 to the nearest ten → **E**

Round 2,221 to the nearest thousand → **F**

Round 37 to the nearest ten → **D**

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

Round 584 to the nearest hundred → **Z**

Round 8,934 to the nearest thousand → **U**

Round 765 to the nearest hundred → **R**

Round 533 to the nearest hundred → **N**

Round 7,768 to the nearest thousand → **P**

Round 890 to the nearest hundred → **T**

Round 666 to the nearest hundred → **O**

Round 63 to the nearest ten → **I**

Round 76 to the nearest ten → **H**

Round 247 to the nearest hundred → **L**

Round 87 to the nearest ten → **B**

Scratch space:

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

The team captain splits the energy drinks evenly among all the players on the bench.

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:

$22 \div 11 = \square$

$64 \div 8 = \square$

$77 \div 7 = \square$

$36 \div 6 = \square$

$35 \div 5 = \square$

$11 \div 11 = \square$

$33 \div 11 = \square$

$40 \div 10 = \square$

$120 \div 12 = \square$

$72 \div 6 = \square$

$45 \div 9 = \square$

Step 2 - cross out the sentence with each answer:

1. The villain nailed a bicycle kick, then adjusted the laser goggles.
2. The villain nailed a bicycle kick, then laced up the golden cleats.
3. The villain blasted a power serve, then laced up the golden cleats.
4. The villain made a goalie save, then tightened the grip gloves.
5. The villain scored with a fast break dunk, then adjusted the laser goggles.
6. The villain made a goalie save, then adjusted the laser goggles.
7. The villain threw a curveball strike, then swung the platinum bat.
8. The villain nailed a bicycle kick, then swung the platinum bat.
9. The villain threw a curveball strike, then tightened the grip gloves.
10. The villain blasted a power serve, then swung the platinum bat.
11. The villain nailed a bicycle kick, then tightened the grip gloves.
12. The villain threw a curveball strike, then blew the neon whistle.

Answer Key

The Case of the Missing Championship Trophy

Culprit: Giannis Antetokounmpo

Curveball Strike · Grip Gloves · Right Handed · Curly Buzzcut · Bright Flashlight

Trail: Start 21 → Clue 1 20 → Clue 2 14 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT USE A NEON WHISTLE"

$187 + 120 = 307$ (T) · $446 + 424 = 870$ (H) · $339 + 335 = 674$ (I) · $309 + 455 = 764$ (A) · $299 + 540 = 839$ (E) · $476 + 283 = 759$ (S) · $456 + 252 = 708$ (V) · $478 + 278 = 756$ (D) · $660 + 294 = 954$ (N) · $135 + 283 = 418$ (U) · $248 + 421 = 669$ (O) · $442 + 298 = 740$ (W) · $315 + 226 = 541$ (L)

Clue 2 (Subtraction): "THE SIGNATURE WAS WRITTEN RIGHT HANDED"

$1093 - 239 = 854$ (T) · $898 - 205 = 693$ (U) · $964 - 137 = 827$ (W) · $437 - 207 = 230$ (I) · $344 - 167 = 177$ (A) · $504 - 76 = 428$ (R) · $729 - 224 = 505$ (E) · $1156 - 389 = 767$ (G) · $1029 - 355 = 674$ (H) · $292 - 68 = 224$ (N) · $915 - 277 = 638$ (D) · $572 - 355 = 217$ (S)

Clue 3 (Multiplication facts (1-12)): "A BRIGHT FLASHLIGHT SCARED THE VILLAIN"

$9 \times 12 = 108$ (A) · $2 \times 7 = 14$ (V) · $11 \times 2 = 22$ (S) · $9 \times 9 = 81$ (C) · $7 \times 3 = 21$ (E) · $4 \times 2 = 8$ (F) · $11 \times 5 = 55$ (G) · $9 \times 2 = 18$ (I) · $7 \times 6 = 42$ (D) · $4 \times 7 = 28$ (L) · $4 \times 12 = 48$ (T) · $12 \times 10 = 120$ (N) · $8 \times 10 = 80$ (H) · $9 \times 6 = 54$ (R) · $6 \times 5 = 30$ (B)

Clue 4 (Rounding): "A CURLY BUZZCUT HAIR WAS FOUND ON THE TROPHY"

Round 73 to the nearest ten = 70 (A) · Round 2,838 to the nearest thousand = 3000 (W) · Round 7,250 to the nearest thousand = 7000 (C) · Round 4,944 to the nearest thousand = 5000 (S) · Round 18 to the nearest ten = 20 (E) · Round 2,221 to the nearest thousand = 2000 (F) · Round 37 to the nearest ten = 40 (D) · Round 331 to the nearest hundred = 300 (Y) · Round 584 to the nearest hundred = 600 (Z) · Round 8,934 to the nearest thousand = 9000 (U) · Round 765 to the nearest hundred = 800 (R) · Round 533 to the nearest hundred = 500 (N) · Round 7,768 to the nearest thousand = 8000 (P) · Round 890 to the nearest hundred = 900 (T) · Round 666 to the nearest hundred = 700 (O) · Round 63 to the nearest ten = 60 (I) · Round 76 to the nearest ten = 80 (H) · Round 247 to the nearest hundred = 200 (L) · Round 87 to the nearest ten = 90 (B)

Clue 5 (Division facts (1-12)): surviving statement is box 9 → Giannis Antetokounmpo

$22 \div 11 = 2$ · $64 \div 8 = 8$ · $77 \div 7 = 11$ · $36 \div 6 = 6$ · $35 \div 5 = 7$ · $11 \div 11 = 1$ · $33 \div 11 = 3$ · $40 \div 10 = 4$ · $120 \div 12 = 10$ · $72 \div 6 = 12$ · $45 \div 9 = 5$