The Case of the Missing Championship Trophy

Grade 7 math · Addition, Multiplication, Rounding, Word problems, Division · Reading level grades 7-9

Detective: _____ **Date:** _____

Just hours before game seven of the Championship Series, someone broke into the team manager office at Diamond Park Stadium and snatched the championship trophy. Security cameras captured a suspect fleeing across the field. Analyze the clues to reveal who took the trophy!

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 saboteur is _____

Possible suspects

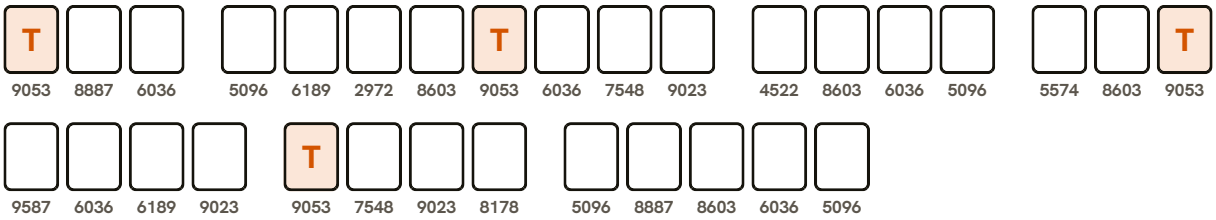
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE PITCH	CLEAT STYLE	BATTING STANCE	CAP COLOR	DISTRACTION
Roberto Clemente	Knuckleball	Turf Shoes	Left-Handed Stance	Crimson Red Cap	Pop Fly Lights
Mookie Betts	Sweeping Slider	Metal Cleats	Left-Handed Stance	Forest Green Cap	Loud Airhorn
Honus Wagner	Sweeping Slider	Metal Cleats	Left-Handed Stance	Crimson Red Cap	Fog Machine Smoke
Lou Gehrig	Sweeping Slider	High-Top Cleats	Right-Handed Stance	Crimson Red Cap	Pop Fly Lights
Aaron Judge	Rising Fastball	Custom Sprigs	Left-Handed Stance	Crimson Red Cap	Loud Airhorn
Shohei Ohtani	Rising Fastball	Molded Cleats	Left-Handed Stance	Crimson Red Cap	Pop Fly Lights
Stan Musial	Sweeping Slider	High-Top Cleats	Left-Handed Stance	Midnight Navy Cap	Loud Airhorn
Nolan Ryan	Cutter	Turf Shoes	Right-Handed Stance	Midnight Navy Cap	Pop Fly Lights
Mike Trout	Sweeping Slider	Molded Cleats	Left-Handed Stance	Crimson Red Cap	Pop Fly Lights
Ted Williams	Cutter	Custom Sprigs	Left-Handed Stance	Midnight Navy Cap	Pop Fly Lights
Babe Ruth	Changeup	Metal Cleats	Left-Handed Stance	Forest Green Cap	Fog Machine Smoke
Sandy Koufax	Knuckleball	Metal Cleats	Left-Handed Stance	Midnight Navy Cap	Pop Fly Lights
Bryce Harper	Rising Fastball	Molded Cleats	Left-Handed Stance	Forest Green Cap	Loud Airhorn
Derek Jeter	Rising Fastball	Molded Cleats	Right-Handed Stance	Forest Green Cap	Fog Machine Smoke
Jackie Robinson	Rising Fastball	Turf Shoes	Left-Handed Stance	Crimson Red Cap	Pop Fly Lights
Willie Mays	Rising Fastball	High-Top Cleats	Right-Handed Stance	Forest Green Cap	Pop Fly Lights
Greg Maddux	Rising Fastball	High-Top Cleats	Left-Handed Stance	Crimson Red Cap	Pop Fly Lights
Freddie Freeman	Rising Fastball	Turf Shoes	Right-Handed Stance	Forest Green Cap	Fog Machine Smoke
Hank Aaron	Changeup	Custom Sprigs	Left-Handed Stance	Midnight Navy Cap	Loud Airhorn
Ken Griffey	Changeup	Molded Cleats	Left-Handed Stance	Crimson Red Cap	Pop Fly Lights
Pedro Martinez	Changeup	Molded Cleats	Right-Handed Stance	Forest Green Cap	Loud Airhorn

CLUE 1 Addition

> The groundskeeper counted all the practice baseballs collected from the dugout to calculate total equipment inventory.

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



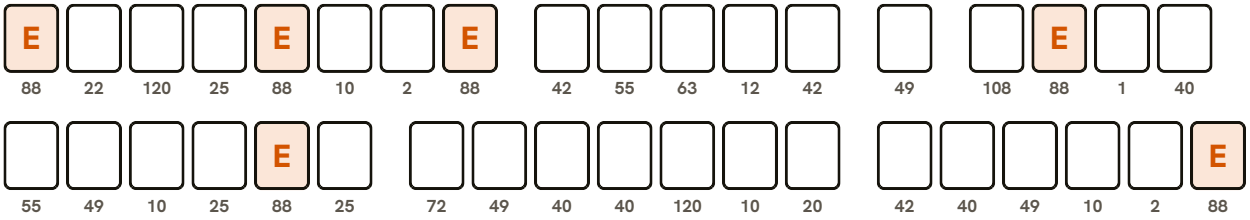
3606 + 5447 = ☐ → T	3173 + 5005 = ☐ → F	3182 + 1914 = ☐ → S
2980 + 5623 = ☐ → O	4519 + 4504 = ☐ → R	1674 + 3900 = ☐ → N
1378 + 1594 = ☐ → B	2052 + 2470 = ☐ → D	4043 + 1993 = ☐ → E
4589 + 2959 = ☐ → U	3008 + 3181 = ☐ → A	3263 + 5624 = ☐ → H
4424 + 5163 = ☐ → W		

Scratch space:

CLUE 2 Multiplication facts (1-12)

> The stadium manager checked the crates of fresh baseball bats arranged in equal rows inside the supply room.

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



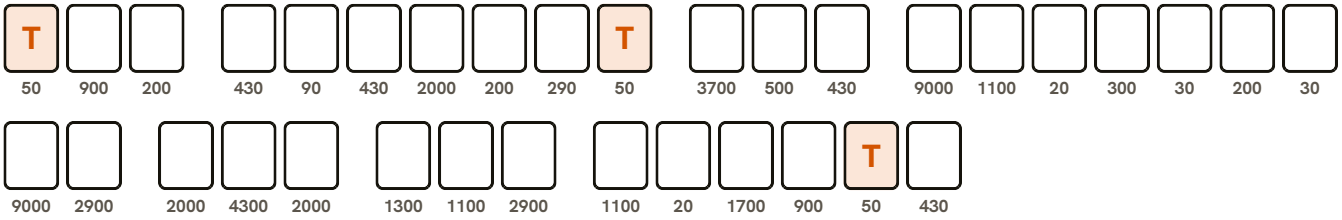
11 × 8 = ☐ → E	12 × 9 = ☐ → L	10 × 2 = ☐ → G
9 × 7 = ☐ → O	1 × 1 = ☐ → F	10 × 12 = ☐ → I
1 × 2 = ☐ → C	5 × 5 = ☐ → D	5 × 11 = ☐ → H
9 × 8 = ☐ → B		
1 × 12 = ☐ → W	10 × 1 = ☐ → N	6 × 7 = ☐ → S
2 × 11 = ☐ → V	8 × 5 = ☐ → T	7 × 7 = ☐ → A

Scratch space:

CLUE 3 Rounding

The outfield radar gun logged the speed of a runaway ball, rounding the estimate to the nearest whole number.

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



Round 54 to the nearest ten ☐ → T

Round 501 to the nearest hundred ☐ → A

Round 188 to the nearest hundred ☐ → E

Round 8,662 to the nearest thousand ☐ → B

Round 90 to the nearest ten ☐ → U

Round 866 to the nearest hundred ☐ → H

Round 23 to the nearest ten ☐ → I

Round 1,287 to the nearest hundred ☐ → F

Round 429 to the nearest ten ☐ → S

Round 1,107 to the nearest hundred ☐ → L

Round 2,160 to the nearest thousand ☐ → P

Round 2,929 to the nearest hundred ☐ → Y

Round 1,728 to the nearest hundred ☐ → G

Round 3,677 to the nearest hundred ☐ → W

Round 290 to the nearest ten ☐ → C

Round 310 to the nearest hundred ☐ → N

Round 4,259 to the nearest hundred ☐ → O

Round 27 to the nearest ten ☐ → D

Scratch space:

CLUE 4 Word problems

The head scout reviewed game statistics to solve a problem regarding team batting averages.

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

A strand of | C | | | | | | | | E | D | C | A | P | hair turned up at the scene.

C								E	D	C	A	P
9	75	80	34	14	31	67	75			9		

Stadium usher found 5 leather baseballs yesterday and 4 more today. How many leather baseballs in all?

Answer: ☐ → C

Stadium usher found 24 leather baseballs yesterday and 10 more today. How many leather baseballs in all?

Answer: ☐ → M

There were 27 batting helmets. 13 were used up. How many batting helmets are left?

Answer: ☐ → S

Stadium usher lined up 10 rows of 8 souvenir pennants. How many souvenir pennants in all?

Answer: ☐ → I

There were 100 batting helmets. 25 were used up. How many batting helmets are left?

Answer: ☐ → R

Stadium usher found 60 souvenir pennants yesterday and 7 more today. How many souvenir pennants in all?

Answer: ☐ → N

There were 49 bagged sunflower seeds. 18 were used up. How many bagged sunflower seeds are left?

Answer: ☐ → O

Scratch space:

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

> The concession staff divided souvenir caps equally among the stadium gate entrances.

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:

24 ÷ 3 = ☐	50 ÷ 5 = ☐	108 ÷ 12 = ☐	66 ÷ 11 = ☐	60 ÷ 5 = ☐
22 ÷ 2 = ☐	18 ÷ 6 = ☐	20 ÷ 4 = ☐	2 ÷ 1 = ☐	32 ÷ 8 = ☐
5 ÷ 5 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain snuck in a sweeping slider, then sprinted off in metal cleats.
2. The villain threw a trick knuckleball, then dashed away in molded cleats.
3. The villain cut across with a sharp cutter, then dashed away in molded cleats.
4. The villain cut across with a sharp cutter, then snuck past in turf shoes.
5. The villain threw a trick knuckleball, then bolted across in custom sprigs.
6. The villain tossed a sudden changeup, then snuck past in turf shoes.
7. The villain snuck in a sweeping slider, then dashed away in molded cleats.
8. The villain tossed a sudden changeup, then dashed away in molded cleats.
9. The villain hurled a rising fastball, then dashed away in molded cleats.
10. The villain hurled a rising fastball, then charged ahead in high top cleats.
11. The villain hurled a rising fastball, then sprinted off in metal cleats.
12. The villain hurled a rising fastball, then snuck past in turf shoes.

TEACHER / PARENT

Answer Key

The Case of the Missing Championship Trophy

Culprit: Mike Trout

Sweeping Slider · Molded Cleats · Left-Handed Stance · Crimson Red Cap · Pop Fly Lights

Trail: Start 21 → Clue 1 17 → Clue 2 13 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SABOTEUR DOES NOT WEAR TURF SHOES"

3606 + 5447 = 9053 (T) · 3173 + 5005 = 8178 (F) · 3182 + 1914 = 5096 (S) · 2980 + 5623 = 8603 (O) · 4519 + 4504 = 9023 (R) · 1674 + 3900 = 5574 (N) · 1378 + 1594 = 2972 (B) · 2052 + 2470 = 4522 (D) · 4043 + 1993 = 6036 (E) · 4589 + 2959 = 7548 (U) · 3008 + 3181 = 6189 (A) · 3263 + 5624 = 8887 (H) · 4424 + 5163 = 9587 (W)

Clue 2 (Multiplication facts (1-12)): "EVIDENCE SHOWS A LEFT HANDED BATTING STANCE"

11 × 8 = 88 (E) · 12 × 9 = 108 (L) · 10 × 2 = 20 (G) · 9 × 7 = 63 (O) · 1 × 1 = 1 (F) · 10 × 12 = 120 (I) · 1 × 2 = 2 (C) · 5 × 5 = 25 (D) · 5 × 11 = 55 (H) · 9 × 8 = 72 (B) · 1 × 12 = 12 (W) · 10 × 1 = 10 (N) · 6 × 7 = 42 (S) · 2 × 11 = 22 (V) · 8 × 5 = 40 (T) · 7 × 7 = 49 (A)

Clue 3 (Rounding): "THE SUSPECT WAS BLINDED BY POP FLY LIGHTS"

Round 54 to the nearest ten = 50 (T) · Round 501 to the nearest hundred = 500 (A) · Round 188 to the nearest hundred = 200 (E) · Round 8,662 to the nearest thousand = 9000 (B) · Round 90 to the nearest ten = 90 (U) · Round 866 to the nearest hundred = 900 (H) · Round 23 to the nearest ten = 20 (I) · Round 1,287 to the nearest hundred = 1300 (F) · Round 429 to the nearest ten = 430 (S) · Round 1,107 to the nearest hundred = 1100 (L) · Round 2,160 to the nearest thousand = 2000 (P) · Round 2,929 to the nearest hundred = 2900 (Y) · Round 1,728 to the nearest hundred = 1700 (G) · Round 3,677 to the nearest hundred = 3700 (W) · Round 290 to the nearest ten = 290 (C) · Round 310 to the nearest hundred = 300 (N) · Round 4,259 to the nearest hundred = 4300 (O) · Round 27 to the nearest ten = 30 (D)

Clue 4 (Word problems): "CRIMSON RED CAP"

Stadium usher found 5 leather baseballs yesterday and 4 more today. How many leather baseballs in all? = 9 (C) · Stadium usher found 24 leather baseballs yesterday and 10 more today. How many leather baseballs in all? = 34 (M) · There were 27 batting helmets. 13 were used up. How many batting helmets are left? = 14 (S) · Stadium usher lined up 10 rows of 8 souvenir pennants. How many souvenir pennants in all? = 80 (I) · There were 100 batting helmets. 25 were used up. How many batting helmets are left? = 75 (R) · Stadium usher found 60 souvenir pennants yesterday and 7 more today. How many souvenir pennants in all? = 67 (N) · There were 49 bagged sunflower seeds. 18 were used up. How many bagged sunflower seeds are left? = 31 (O)

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

24 ÷ 3 = 8 · 50 ÷ 5 = 10 · 108 ÷ 12 = 9 · 66 ÷ 11 = 6 · 60 ÷ 5 = 12 · 22 ÷ 2 = 11 · 18 ÷ 6 = 3 · 20 ÷ 4 = 5 · 2 ÷ 1 = 2 · 32 ÷ 8 = 4 · 5 ÷ 5 = 1