



The Mystery of the Missing Championship Trophy

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

Detective: _____ Date: _____

Right before the final inning of the championship game, the golden trophy vanished from the dugout! The head umpire saw a sneaky phantom zoom across the outfield.

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 phantom 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	SPECIAL GEAR	DOMINANT HAND	HAIR STYLE	FIELD TRAP
Yogi Berra	Curveball pitch	Glowing bat	Right handed	Blonde buzzcut	Pop fly trap
Aaron Judge	Fastball pitch	Sticky rosin	Left handed	Red cap hair	Pop fly trap
Willie Mays	Fastball pitch	Mirror visor	Right handed	Dark curly locks	Pop fly trap
Rickey Henderson	Power swing	Laser cleats	Left handed	Blonde buzzcut	Loud megaphone
Shohei Ohtani	Changeup pitch	Laser cleats	Left handed	Blonde buzzcut	Pop fly trap
Mike Trout	Changeup pitch	Sticky rosin	Left handed	Blonde buzzcut	Heavy mud
Derek Jeter	Sacrifice bunt	Pine tar	Left handed	Dark curly locks	Loud megaphone
Hank Aaron	Curveball pitch	Pine tar	Left handed	Red cap hair	Pop fly trap
Mookie Betts	Fastball pitch	Sticky rosin	Left handed	Blonde buzzcut	Loud megaphone
Babe Ruth	Sacrifice bunt	Glowing bat	Left handed	Blonde buzzcut	Loud megaphone
Clayton Kershaw	Curveball pitch	Mirror visor	Right handed	Dark curly locks	Heavy mud
Ichiro Suzuki	Fastball pitch	Mirror visor	Right handed	Red cap hair	Heavy mud
Roberto Clemente	Curveball pitch	Mirror visor	Left handed	Dark curly locks	Heavy mud
Ted Williams	Curveball pitch	Glowing bat	Left handed	Blonde buzzcut	Loud megaphone
Freddie Freeman	Power swing	Laser cleats	Left handed	Dark curly locks	Heavy mud
Bryce Harper	Curveball pitch	Glowing bat	Right handed	Red cap hair	Heavy mud
Jackie Robinson	Fastball pitch	Mirror visor	Right handed	Red cap hair	Loud megaphone
Cy Young	Power swing	Mirror visor	Left handed	Blonde buzzcut	Loud megaphone
Ken Griffey Jr	Power swing	Sticky rosin	Right handed	Red cap hair	Heavy mud
Honus Wagner	Fastball pitch	Glowing bat	Right handed	Blonde buzzcut	Loud megaphone
Lou Gehrig	Sacrifice bunt	Pine tar	Left handed	Red cap hair	Loud megaphone

CLUE 1

The stadium scoreboard glitched and showed suspect numbers. You look at the digit in the tens place to read the first clue.

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

200 4000 5000

300 2000 300 7000 5000 100 200

400 500 5000 300 30 500 200

2000 300 5000

1000 800 8000 600 600 500 600

9000 8000 300 500 600

What is the value of the 2 in 266? → **T**

What is the value of the 2 in 2,879? → **U**

What is the value of the 6 in 639? → **R**

What is the value of the 1 in 1,033? → **A**

What is the value of the 8 in 8,233? →

What is the value of the 9 in 49,148? →

What is the value of the 1 in 155? → **C**

What is the value of the 8 in 2,851? → **M**

What is the value of the 7 in 27,024? → **P**

What is the value of the 5 in 523? →

What is the value of the 4 in 466? → **D**

What is the value of the 3 in 9,359? → **S**

What is the value of the 5 in 5,081? → **E**

What is the value of the 3 in 1,431? → **N**

What is the value of the 4 in 64,535? → **H**

Scratch space:

CLUE 2
Addition

You find two crates of baseballs tossed near the bullpen. Adding the two crates together unlocks the clue box.

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

T					T												T
7356	6292	2929	7702	3918	7356	4676	2929	8720	8720	8720	8723	7702	8723	5039	2929	8903	7356

						T				
6292	8723	4676	4223	2929	4223	7356	6292	6063	7774	7702

$2992 + 4364 = \boxed{} \rightarrow \boxed{\text{T}}$

$3299 + 2993 = \boxed{} \rightarrow \boxed{\text{H}}$

$4197 + 1866 = \boxed{} \rightarrow \boxed{\text{R}}$

$3130 + 5590 = \boxed{} \rightarrow \boxed{\text{S}}$

$2721 + 1197 = \boxed{} \rightarrow \boxed{\text{I}}$

$5832 + 2891 = \boxed{} \rightarrow \boxed{\text{A}}$

$3877 + 5026 = \boxed{} \rightarrow \boxed{\text{F}}$

$2685 + 1991 = \boxed{} \rightarrow \boxed{\text{N}}$

$2194 + 2845 = \boxed{} \rightarrow \boxed{\text{L}}$

$1726 + 2497 = \boxed{} \rightarrow \boxed{\text{D}}$

$4582 + 3192 = \boxed{} \rightarrow \boxed{\text{O}}$

$1623 + 1306 = \boxed{} \rightarrow \boxed{\text{E}}$

$4508 + 3194 = \boxed{} \rightarrow \boxed{\text{W}}$

Scratch space:

CLUE 3

Subtraction

The souvenir booth was missing foam fingers after the intruder ran past. Subtracting what is left reveals the next hint.

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

T					T										
5653	8685	4037	8068	1445	5653	3562	8685	4037	1648	4870	5801	6600			
			T				T								
4341	1445	6600	5653	1648	5801	3562	5653	4037	4341	8027	7555	5801			
2874	4037	5158	5801	8068	8685	2509	5770	4037							

$8632 - 2979 = \square \rightarrow \boxed{\text{T}}$

$7133 - 3096 = \square \rightarrow \boxed{\text{E}}$

$9330 - 1775 = \square \rightarrow \boxed{\text{Y}}$

$10355 - 3755 = \square \rightarrow \boxed{\text{S}}$

$12062 - 3994 = \square \rightarrow \boxed{\text{P}}$

$2396 - 951 = \square \rightarrow \boxed{\text{I}}$

$6923 - 2582 = \square \rightarrow \boxed{\text{D}}$

$12132 - 4105 = \square \rightarrow \boxed{\text{B}}$

$4892 - 3244 = \square \rightarrow \boxed{\text{R}}$

$8088 - 2287 = \square \rightarrow \boxed{\text{A}}$

$4954 - 84 = \square \rightarrow \boxed{\text{W}}$

$4418 - 856 = \square \rightarrow \boxed{\text{C}}$

$3711 - 1202 = \square \rightarrow \boxed{\text{O}}$

$12336 - 3651 = \square \rightarrow \boxed{\text{H}}$

$4104 - 1230 = \square \rightarrow \boxed{\text{M}}$

$9429 - 4271 = \square \rightarrow \boxed{\text{G}}$

$7500 - 1730 = \square \rightarrow \boxed{\text{N}}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

The outfield bleachers are set up in equal rows of seats. Multiplying the rows gives you the key code.

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

A								A				A						
6	40	25	10	2	24	9	132	6	32	81	5	6	55	55	50	33	108	12

						A				A		
50	10	50	132	9	40	6	55	9	40	6	25	25

$3 \times 2 = \square \rightarrow$ A	$2 \times 12 = \square \rightarrow$ D	$3 \times 4 = \square \rightarrow$ K	
$11 \times 5 = \square \rightarrow$ S	$5 \times 2 = \square \rightarrow$ O	$9 \times 9 = \square \rightarrow$ R	$1 \times 5 = \square \rightarrow$ W
$10 \times 5 = \square \rightarrow$ T	$11 \times 3 = \square \rightarrow$ U	$4 \times 8 = \square \rightarrow$ I	
$10 \times 4 = \square \rightarrow$ B	$3 \times 3 = \square \rightarrow$ E	$9 \times 12 = \square \rightarrow$ C	
$2 \times 1 = \square \rightarrow$ N	$12 \times 11 = \square \rightarrow$ H	$5 \times 5 = \square \rightarrow$ L	

Scratch space:

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

The groundskeeper needs to split a stack of practice bases equally across the fields to decode the final 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:

$11 \div 1 = \boxed{}$

$45 \div 9 = \boxed{}$

$14 \div 7 = \boxed{}$

$8 \div 1 = \boxed{}$

$4 \div 1 = \boxed{}$

$24 \div 2 = \boxed{}$

$21 \div 7 = \boxed{}$

$6 \div 6 = \boxed{}$

$9 \div 1 = \boxed{}$

$70 \div 10 = \boxed{}$

$60 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain throws a fastball, then sprints in laser cleats.
2. The villain lays down a bunt, then flashes a glowing bat.
3. The villain snaps a curveball, then applies sticky rosin.
4. The villain lays down a bunt, then adjusts the mirror visor.
5. The villain snaps a curveball, then flashes a glowing bat.
6. The villain unleashes a power swing, then sprints in laser cleats.
7. The villain snaps a curveball, then adjusts the mirror visor.
8. The villain unleashes a power swing, then rubs pine tar on the bat.
9. The villain unleashes a power swing, then adjusts the mirror visor.
10. The villain lays down a bunt, then rubs pine tar on the bat.
11. The villain throws a fastball, then applies sticky rosin.
12. The villain throws a fastball, then adjusts the mirror visor.

Answer Key

The Mystery of the Missing Championship Trophy

Culprit: Rickey Henderson

Power swing · Laser cleats · Left handed · Blonde buzzcut · Loud megaphone

Trail: Start 21 → Clue 1 15 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE SUSPECT DOES NOT USE A MIRROR VISOR"

What is the value of the 2 in 266? = 200 (T) · What is the value of the 2 in 2,879? = 2000 (U) · What is the value of the 6 in 639? = 600 (R) · What is the value of the 1 in 1,033? = 1000 (A) · What is the value of the 8 in 8,233? = 8000 (I) · What is the value of the 9 in 49,148? = 9000 (V) · What is the value of the 1 in 155? = 100 (C) · What is the value of the 8 in 2,851? = 800 (M) · What is the value of the 7 in 27,024? = 7000 (P) · What is the value of the 5 in 523? = 500 (O) · What is the value of the 4 in 466? = 400 (D) · What is the value of the 3 in 9,359? = 300 (S) · What is the value of the 5 in 5,081? = 5000 (E) · What is the value of the 3 in 1,431? = 30 (N) · What is the value of the 4 in 64,535? = 4000 (H)

Clue 2 (Addition): "THE WITNESS SAW A LEFT HANDED THROW"

2992 + 4364 = 7356 (T) · 3299 + 2993 = 6292 (H) · 4197 + 1866 = 6063 (R) · 3130 + 5590 = 8720 (S) · 2721 + 1197 = 3918 (I) · 5832 + 2891 = 8723 (A) · 3877 + 5026 = 8903 (F) · 2685 + 1991 = 4676 (N) · 2194 + 2845 = 5039 (L) · 1726 + 2497 = 4223 (D) · 4582 + 3192 = 7774 (O) · 1623 + 1306 = 2929 (E) · 4508 + 3194 = 7702 (W)

Clue 3 (Subtraction): "THE PITCHER WAS DISTRACTED BY A MEGAPHONE"

8632 - 2979 = 5653 (T) · 7133 - 3096 = 4037 (E) · 9330 - 1775 = 7555 (Y) · 10355 - 3755 = 6600 (S) · 12062 - 3994 = 8068 (P) · 2396 - 951 = 1445 (I) · 6923 - 2582 = 4341 (D) · 12132 - 4105 = 8027 (B) · 4892 - 3244 = 1648 (R) · 8088 - 2287 = 5801 (A) · 4954 - 84 = 4870 (W) · 4418 - 856 = 3562 (C) · 3711 - 1202 = 2509 (O) · 12336 - 3651 = 8685 (H) · 4104 - 1230 = 2874 (M) · 9429 - 4271 = 5158 (G) · 7500 - 1730 = 5770 (N)

Clue 4 (Multiplication facts (1-12)): "A BLONDE HAIR WAS STUCK TO THE BASEBALL"

3 × 2 = 6 (A) · 2 × 12 = 24 (D) · 3 × 4 = 12 (K) · 11 × 5 = 55 (S) · 5 × 2 = 10 (O) · 9 × 9 = 81 (R) · 1 × 5 = 5 (W) · 10 × 5 = 50 (T) · 11 × 3 = 33 (U) · 4 × 8 = 32 (I) · 10 × 4 = 40 (B) · 3 × 3 = 9 (E) · 9 × 12 = 108 (C) · 2 × 1 = 2 (N) · 12 × 11 = 132 (H) · 5 × 5 = 25 (L)

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

11 ÷ 1 = 11 · 45 ÷ 9 = 5 · 14 ÷ 7 = 2 · 8 ÷ 1 = 8 · 4 ÷ 1 = 4 · 24 ÷ 2 = 12 · 21 ÷ 7 = 3 · 6 ÷ 6 = 1 · 9 ÷ 1 = 9 · 70 ÷ 10 = 7 · 60 ÷ 6 = 10