



The Great World Series Glove Mystery

Grade 8 math · Addition, Multiplication, Word problems, Rounding, Division · Reading level grades 7-9

Detective: _____ Date: _____

The championship trophy glove went missing right before game seven! Detective work is needed to scan dugout logs and narrow down the suspects.

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 thief 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	GEAR ITEM	THROWING HAND	HAIRSTYLE	DISTRACTION
Derek Jeter	changeup	pine tar rag	right handed thrower	shaved head	soggy baseballs
Shohei Ohtani	knuckleball	pine tar rag	right handed thrower	shaved head	loud air horns
Max Scherzer	fastball	custom bat	left handed thrower	curly mop hair	loud air horns
Ken Griffey	slider	radar gun	right handed thrower	shaved head	loud air horns
Justin Verlander	curveball	cleat cleaner	left handed thrower	shaved head	soggy baseballs
Aaron Judge	changeup	gold glove	right handed thrower	curly mop hair	bright floodlights
Ted Williams	fastball	radar gun	left handed thrower	braided ponytail	bright floodlights
Bryce Harper	curveball	radar gun	right handed thrower	braided ponytail	soggy baseballs
Willie Mays	fastball	custom bat	right handed thrower	braided ponytail	loud air horns
Ronald Acuna	fastball	pine tar rag	right handed thrower	curly mop hair	soggy baseballs
Freddie Freeman	knuckleball	radar gun	right handed thrower	shaved head	loud air horns
Gerrit Cole	slider	pine tar rag	right handed thrower	shaved head	loud air horns
Clayton Kershaw	knuckleball	cleat cleaner	left handed thrower	curly mop hair	soggy baseballs
Jackie Robinson	fastball	cleat cleaner	left handed thrower	braided ponytail	bright floodlights
Nolan Ryan	curveball	gold glove	right handed thrower	braided ponytail	bright floodlights
Mike Trout	changeup	cleat cleaner	left handed thrower	curly mop hair	soggy baseballs
Cal Ripken	slider	pine tar rag	right handed thrower	shaved head	soggy baseballs
Hank Aaron	knuckleball	custom bat	left handed thrower	shaved head	loud air horns
Randy Johnson	slider	gold glove	left handed thrower	curly mop hair	loud air horns
Mickey Mantle	fastball	gold glove	right handed thrower	shaved head	loud air horns
Babe Ruth	knuckleball	radar gun	right handed thrower	shaved head	bright floodlights

CLUE 1 Addition

To find out who wiped the dugout locker room logs, add up the total ticket sales across both stadium gates.

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

T																T
4676	7910	8579	9806	2126	8323	8323	9283	2126	3599	5603	7471	8579	4948	3599	7471	4676

7471	4046	3599	9283	2011	7471	8323	5603	2011	8323	7471	9806	8579	

$2935 + 1741 = \boxed{} \rightarrow \boxed{\text{T}}$

$1135 + 991 = \boxed{} \rightarrow \boxed{\text{I}}$

$665 + 1346 = \boxed{} \rightarrow \boxed{\text{G}}$

$3254 + 6029 = \boxed{} \rightarrow \boxed{\text{A}}$

$5739 + 4067 = \boxed{} \rightarrow \boxed{\text{V}}$

$3256 + 1692 = \boxed{} \rightarrow \boxed{\text{S}}$

$1918 + 1681 = \boxed{} \rightarrow \boxed{\text{N}}$

$3221 + 4250 = \boxed{} \rightarrow \boxed{\text{O}}$

$5761 + 2562 = \boxed{} \rightarrow \boxed{\text{L}}$

$4504 + 4075 = \boxed{} \rightarrow \boxed{\text{E}}$

$2815 + 5095 = \boxed{} \rightarrow \boxed{\text{H}}$

$1565 + 2481 = \boxed{} \rightarrow \boxed{\text{W}}$

$3380 + 2223 = \boxed{} \rightarrow \boxed{\text{D}}$

Scratch space:

CLUE 2
Multiplication facts (1-12)

The umpire counts the total practice balls by multiplying the number of full buckets by the count per bucket.

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

T						T												
99	7	1	10	30	99	32	1	12	12	48	1	2	8	70	70	12	8	
				T							T							
48	30	96	7	99	7	8	32	22	1	22	99	7	48	45	10	1	48	

$11 \times 9 =$

→

T

$8 \times 1 =$

→

A

$3 \times 4 =$

→

S

$6 \times 5 =$

→

I

$11 \times 2 =$

→

D

$12 \times 4 =$

→

R

$8 \times 4 =$

→

N

$8 \times 12 =$

→

G

$10 \times 7 =$

→

L

$1 \times 2 =$

→

C

$1 \times 1 =$

→

E

$7 \times 1 =$

→

H

$5 \times 9 =$

→

O

$5 \times 2 =$

→

W

Scratch space:

CLUE 3

Word problems

Solve this word problem about inventory in the equipment room to uncover another piece of evidence.

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

Someone scared the villain off with L H N S .

87 97 17 10 64 98 13 97 13

Head groundskeeper found 69 leather cleats yesterday and 18 more today. How many leather cleats in all?

Answer: → L

Head groundskeeper found 7 batting helmets yesterday and 3 more today. How many batting helmets in all?

Answer: → D

Head groundskeeper found 3 leather cleats yesterday and 14 more today. How many leather cleats in all?

Answer: → U

Head groundskeeper lined up 8 rows of 8 batting helmets. How many batting helmets in all?

Answer: → A

There were 114 pine tar sticks. 16 were used up. How many pine tar sticks are left?

Answer: → I

There were 127 rosin bags. 30 were used up. How many rosin bags are left?

Answer: → O

There were 23 baseballs. 10 were used up. How many baseballs are left?

Answer: → R

Scratch space:

CLUE 4 Rounding

The speed display board rounds every pitch to the nearest ten miles per hour, giving us our next clue.

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

A			A						A			A				
3000	9000	2000	3000	430	90	70	2000	90	3000	70	1700	3000	9000	9000	90	90
		A						A			A					
5000	90	3000	1300	50	2000	90	900	3000	50	1300	3000	7000	30			

Round 2,861 to the nearest thousand → **A**

Round 91 to the nearest ten → **E**

Round 860 to the nearest hundred → **B**

Round 433 to the nearest ten → **V**

Round 1,657 to the nearest hundred → **W**

Round 1,345 to the nearest hundred → **R**

Round 5,347 to the nearest thousand → **N**

Round 2,266 to the nearest thousand → **H**

Round 69 to the nearest ten → **D**

Round 26 to the nearest ten → **K**

Round 46 to the nearest ten → **T**

Round 9,103 to the nearest thousand → **S**

Round 6,801 to the nearest thousand → **C**

Scratch space:

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

Divide the remaining rally towels evenly among the bullpen coaches to decode the last location.

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:

$8 \div 1 = \boxed{}$

$132 \div 12 = \boxed{}$

$80 \div 8 = \boxed{}$

$60 \div 10 = \boxed{}$

$16 \div 8 = \boxed{}$

$4 \div 4 = \boxed{}$

$25 \div 5 = \boxed{}$

$30 \div 10 = \boxed{}$

$42 \div 6 = \boxed{}$

$63 \div 7 = \boxed{}$

$44 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain threw a blazing fastball, then scraped dirt off using a cleat cleaner.
2. The villain threw an offspeed changeup, then checked their pitch speed with a radar gun.
3. The villain threw a blazing fastball, then wiped the ball with a pine tar rag.
4. The villain threw a blazing fastball, then swung a heavy custom bat.
5. The villain threw a dizzying knuckleball, then swung a heavy custom bat.
6. The villain threw a bending curveball, then swung a heavy custom bat.
7. The villain threw a bending curveball, then scraped dirt off using a cleat cleaner.
8. The villain threw a sharp slider, then checked their pitch speed with a radar gun.
9. The villain threw a sharp slider, then showed off a shiny gold glove.
10. The villain threw a dizzying knuckleball, then checked their pitch speed with a radar gun.
11. The villain threw a sharp slider, then wiped the ball with a pine tar rag.
12. The villain threw a dizzying knuckleball, then wiped the ball with a pine tar rag.

Answer Key

The Great World Series Glove Mystery

Culprit: Shohei Ohtani

knuckleball · pine tar rag · right handed thrower · shaved head · loud air horns

Trail: Start 21 → Clue 1 17 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT OWN A GOLD GLOVE"

$2935 + 1741 = 4676$ (T) · $1135 + 991 = 2126$ (I) · $665 + 1346 = 2011$ (G) · $3254 + 6029 = 9283$ (A) · $5739 + 4067 = 9806$ (V) · $3256 + 1692 = 4948$ (S) · $1918 + 1681 = 3599$ (N) · $3221 + 4250 = 7471$ (O) · $5761 + 2562 = 8323$ (L) · $4504 + 4075 = 8579$ (E) · $2815 + 5095 = 7910$ (H) · $1565 + 2481 = 4046$ (W) · $3380 + 2223 = 5603$ (D)

Clue 2 (Multiplication facts (1-12)): "THE WITNESS RECALLS A RIGHT HANDED THROWER"

$11 \times 9 = 99$ (T) · $8 \times 1 = 8$ (A) · $3 \times 4 = 12$ (S) · $6 \times 5 = 30$ (I) · $11 \times 2 = 22$ (D) · $12 \times 4 = 48$ (R) · $8 \times 4 = 32$ (N) · $8 \times 12 = 96$ (G) · $10 \times 7 = 70$ (L) · $1 \times 2 = 2$ (C) · $1 \times 1 = 1$ (E) · $7 \times 1 = 7$ (H) · $5 \times 9 = 45$ (O) · $5 \times 2 = 10$ (W)

Clue 3 (Word problems): "LOUD AIR HORNS"

Head groundskeeper found 69 leather cleats yesterday and 18 more today. How many leather cleats in all? = 87 (L) · Head groundskeeper found 7 batting helmets yesterday and 3 more today. How many batting helmets in all? = 10 (D) · Head groundskeeper found 3 leather cleats yesterday and 14 more today. How many leather cleats in all? = 17 (U) · Head groundskeeper lined up 8 rows of 8 batting helmets. How many batting helmets in all? = 64 (A) · There were 114 pine tar sticks. 16 were used up. How many pine tar sticks are left? = 98 (I) · There were 127 rosin bags. 30 were used up. How many rosin bags are left? = 97 (O) · There were 23 baseballs. 10 were used up. How many baseballs are left? = 13 (R)

Clue 4 (Rounding): "A SHAVED HEAD WAS SEEN NEAR THE BAT RACK"

Round 2,861 to the nearest thousand = 3000 (A) · Round 91 to the nearest ten = 90 (E) · Round 860 to the nearest hundred = 900 (B) · Round 433 to the nearest ten = 430 (V) · Round 1,657 to the nearest hundred = 1700 (W) · Round 1,345 to the nearest hundred = 1300 (R) · Round 5,347 to the nearest thousand = 5000 (N) · Round 2,266 to the nearest thousand = 2000 (H) · Round 69 to the nearest ten = 70 (D) · Round 26 to the nearest ten = 30 (K) · Round 46 to the nearest ten = 50 (T) · Round 9,103 to the nearest thousand = 9000 (S) · Round 6,801 to the nearest thousand = 7000 (C)

Clue 5 (Division facts (1-12)): surviving statement is box 12 → Shohei Ohtani

$8 \div 1 = 8$ · $132 \div 12 = 11$ · $80 \div 8 = 10$ · $60 \div 10 = 6$ · $16 \div 8 = 2$ · $4 \div 4 = 1$ · $25 \div 5 = 5$ · $30 \div 10 = 3$ · $42 \div 6 = 7$ · $63 \div 7 = 9$ · $44 \div 11 = 4$