The Mystery of the Missing Golden Glove

Grade 10 math · Addition, Multiplication, Rounding, Word problems, Division · Reading level grades 5-6

Detective: _____ **Date:** _____

Someone snuck into Diamond Park Stadium during late night practice and took the Golden Glove Trophy! The groundskeeper needs your detective skills to inspect the dugout clues before the big game begins.

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 dugout intruder is _____

Possible suspects

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

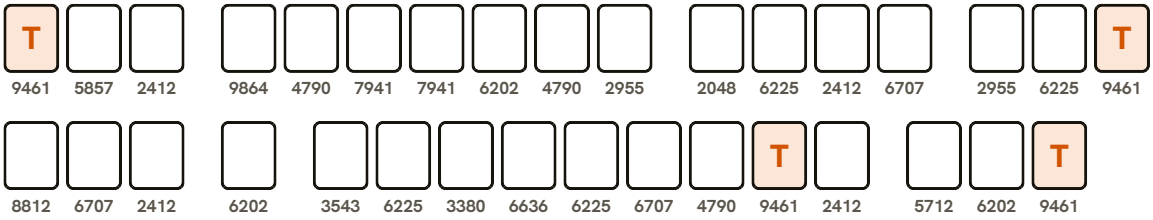
NAME	PITCHING STYLE	BAT GEAR	BATTING STANCE	CAP STYLE	DISTRACTION
Sandy Koufax	Fastball	Composite Bat	Left Handed	Forward Cap	Sports Drink
Pedro Martinez	Fastball	Wooden Bat	Left Handed	Sideways Cap	Sports Drink
Rickey Henderson	Slider	Heavy Bat	Left Handed	Backward Cap	Bubble Gum
Mookie Betts	Curveball	Composite Bat	Left Handed	Backward Cap	Bubble Gum
Aaron Judge	Fastball	Composite Bat	Right Handed	Sideways Cap	Bubble Gum
Derek Jeter	Slider	Composite Bat	Right Handed	Backward Cap	Bubble Gum
Jackie Robinson	Changeup	Wooden Bat	Left Handed	Backward Cap	Sports Drink
Babe Ruth	Changeup	Wooden Bat	Left Handed	Forward Cap	Bubble Gum
Roberto Clemente	Curveball	Wooden Bat	Left Handed	Backward Cap	Bubble Gum
Ted Williams	Curveball	Wooden Bat	Left Handed	Forward Cap	Bubble Gum
Greg Maddux	Slider	Heavy Bat	Right Handed	Backward Cap	Sports Drink
Ichiro Suzuki	Fastball	Heavy Bat	Left Handed	Backward Cap	Sports Drink
David Ortiz	Curveball	Aluminum Bat	Left Handed	Backward Cap	Sports Drink
Mike Trout	Changeup	Grip Tape Bat	Right Handed	Backward Cap	Bubble Gum
Ernie Banks	Slider	Grip Tape Bat	Right Handed	Forward Cap	Sunflower Seeds
Hank Aaron	Knuckleball	Grip Tape Bat	Right Handed	Backward Cap	Sports Drink
Ken Griffey Jr	Fastball	Aluminum Bat	Left Handed	Backward Cap	Sports Drink
Willie Mays	Slider	Wooden Bat	Left Handed	Forward Cap	Sports Drink
Yogi Berra	Slider	Wooden Bat	Left Handed	Sideways Cap	Bubble Gum
Stan Musial	Knuckleball	Composite Bat	Left Handed	Backward Cap	Sports Drink
Cal Ripken Jr	Knuckleball	Heavy Bat	Right Handed	Backward Cap	Sunflower Seeds

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CLUE 1 Addition

You tally up the total number of practice baseballs collected from the bullpen to uncover the first lead.

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



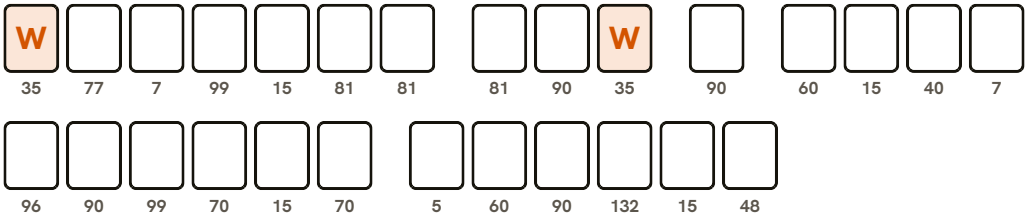
6096 + 3365 = ☐ → T	1793 + 3919 = ☐ → B	2968 + 3739 = ☐ → S
3610 + 2615 = ☐ → O	2783 + 6029 = ☐ → U	2419 + 5522 = ☐ → L
4079 + 2123 = ☐ → A	1760 + 1195 = ☐ → N	1389 + 1023 = ☐ → E
2972 + 1818 = ☐ → I	4390 + 5474 = ☐ → V	1375 + 2168 = ☐ → C
830 + 1218 = ☐ → D	2617 + 4019 = ☐ → P	2388 + 3469 = ☐ → H
1874 + 1506 = ☐ → M		

Scratch space:

CLUE 2 Multiplication facts (1-12)

You multiply the rows of stadium seats by the seats per section to decrypt the press box code.

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



5 × 7 = ☐ → W

11 × 12 = ☐ → Y

10 × 7 = ☐ → D

9 × 9 = ☐ → S

7 × 11 = ☐ → I

9 × 11 = ☐ → N

5 × 3 = ☐ → E

1 × 5 = ☐ → P

4 × 10 = ☐ → F

1 × 7 = ☐ → T

12 × 8 = ☐ → H

12 × 4 = ☐ → R

12 × 5 = ☐ → L

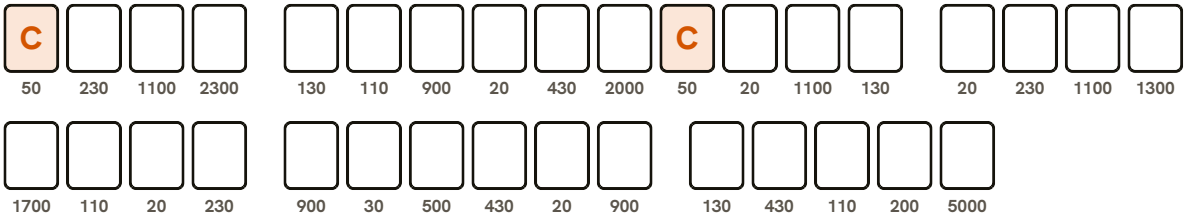
9 × 10 = ☐ → A

Scratch space:

CLUE 3 Rounding

The pitch speed radar gun displays numbers rounded to the nearest whole integer, giving you a key speed clue.

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



Round 48 to the nearest ten ☐ → C

Round 230 to the nearest ten ☐ → H

Round 1,110 to the nearest hundred ☐ → E

Round 5,171 to the nearest thousand ☐ → K

Round 1,345 to the nearest hundred ☐ → M

Round 2,047 to the nearest thousand ☐ → A

Round 114 to the nearest ten ☐ → I

Round 458 to the nearest hundred ☐ → O

Round 131 to the nearest ten ☐ → D

Round 429 to the nearest ten ☐ → R

Round 1,698 to the nearest hundred ☐ → W

Round 29 to the nearest ten ☐ → P

Round 2,251 to the nearest hundred ☐ → F

Round 23 to the nearest ten ☐ → T

Round 927 to the nearest hundred ☐ → S

Round 190 to the nearest hundred ☐ → N

Scratch space:

CLUE 4 Word problems

You solve a series of official game stat word problems found written on the manager clipboard.

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

A strand of

B										P
103	44	90	15	58	44	31	109	90	44	

hair turned up at the scene.

Head groundskeeper found 39 scorecards yesterday and 64 more today. How many scorecards in all?

Answer: ☐ → **B**

Head groundskeeper lined up 11 rows of 4 baseballs. How many baseballs in all?

Answer: ☐ → **A**

Head groundskeeper found 17 helmets yesterday and 14 more today. How many helmets in all?

Answer: ☐ → **R**

There were 84 helmets. 26 were used up. How many helmets are left?

Answer: ☐ → **W**

There were 140 basecaps. 31 were used up. How many basecaps are left?

Answer: ☐ → **D**

Head groundskeeper found 6 cleats yesterday and 9 more today. How many cleats in all?

Answer: ☐ → **K**

Head groundskeeper lined up 9 rows of 10 scorecards. How many scorecards in all?

Answer: ☐ → **C**

Scratch space:

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

> You divide the extra team bats evenly across the storage racks to unlock the final clue box.

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:

40 ÷ 8 = ☐	15 ÷ 5 = ☐	21 ÷ 3 = ☐	4 ÷ 4 = ☐	72 ÷ 6 = ☐
24 ÷ 12 = ☐	90 ÷ 9 = ☐	24 ÷ 3 = ☐	11 ÷ 1 = ☐	54 ÷ 9 = ☐
48 ÷ 12 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain spun a tight curveball, then cracked a wooden bat.
2. The villain snuck a changeup past, then dinted a composite bat.
3. The villain threw a fast pitch, then swung an aluminum bat.
4. The villain snuck a changeup past, then swung an aluminum bat.
5. The villain snuck a changeup past, then cracked a wooden bat.
6. The villain floated a knuckleball, then dinted a composite bat.
7. The villain spun a tight curveball, then swung an aluminum bat.
8. The villain snuck a changeup past, then lifted a heavy bat.
9. The villain threw a fast pitch, then lifted a heavy bat.
10. The villain spun a tight curveball, then dinted a composite bat.
11. The villain snapped a sharp slider, then cracked a wooden bat.
12. The villain snapped a sharp slider, then dinted a composite bat.

TEACHER / PARENT

Answer Key

The Mystery of the Missing Golden Glove

Culprit: Ichiro Suzuki

Fastball · Heavy Bat · Left Handed · Backward Cap · Sports Drink

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT USE A COMPOSITE BAT"

6096 + 3365 = 9461 (T) · 1793 + 3919 = 5712 (B) · 2968 + 3739 = 6707 (S) · 3610 + 2615 = 6225 (O) · 2783 + 6029 = 8812 (U) · 2419 + 5522 = 7941 (L) · 4079 + 2123 = 6202 (A) · 1760 + 1195 = 2955 (N) · 1389 + 1023 = 2412 (E) · 2972 + 1818 = 4790 (I) · 4390 + 5474 = 9864 (V) · 1375 + 2168 = 3543 (C) · 830 + 1218 = 2048 (D) · 2617 + 4019 = 6636 (P) · 2388 + 3469 = 5857 (H) · 1874 + 1506 = 3380 (M)

Clue 2 (Multiplication facts (1-12)): "WITNESS SAW A LEFT HANDED PLAYER"

5 × 7 = 35 (W) · 11 × 12 = 132 (Y) · 10 × 7 = 70 (D) · 9 × 9 = 81 (S) · 7 × 11 = 77 (I) · 9 × 11 = 99 (N) · 5 × 3 = 15 (E) · 1 × 5 = 5 (P) · 4 × 10 = 40 (F) · 1 × 7 = 7 (T) · 12 × 8 = 96 (H) · 12 × 4 = 48 (R) · 12 × 5 = 60 (L) · 9 × 10 = 90 (A)

Clue 3 (Rounding): "CHEF DISTRACTED THEM WITH SPORTS DRINK"

Round 48 to the nearest ten = 50 (C) · Round 230 to the nearest ten = 230 (H) · Round 1,110 to the nearest hundred = 1100 (E) · Round 5,171 to the nearest thousand = 5000 (K) · Round 1,345 to the nearest hundred = 1300 (M) · Round 2,047 to the nearest thousand = 2000 (A) · Round 114 to the nearest ten = 110 (I) · Round 458 to the nearest hundred = 500 (O) · Round 131 to the nearest ten = 130 (D) · Round 429 to the nearest ten = 430 (R) · Round 1,698 to the nearest hundred = 1700 (W) · Round 29 to the nearest ten = 30 (P) · Round 2,251 to the nearest hundred = 2300 (F) · Round 23 to the nearest ten = 20 (T) · Round 927 to the nearest hundred = 900 (S) · Round 190 to the nearest hundred = 200 (N)

Clue 4 (Word problems): "BACKWARD CAP"

Head groundskeeper found 39 scorecards yesterday and 64 more today. How many scorecards in all? = 103 (B) · Head groundskeeper lined up 11 rows of 4 baseballs. How many baseballs in all? = 44 (A) · Head groundskeeper found 17 helmets yesterday and 14 more today. How many helmets in all? = 31 (R) · There were 84 helmets. 26 were used up. How many helmets are left? = 58 (W) · There were 140 basecaps. 31 were used up. How many basecaps are left? = 109 (D) · Head groundskeeper found 6 cleats yesterday and 9 more today. How many cleats in all? = 15 (K) · Head groundskeeper lined up 9 rows of 10 scorecards. How many scorecards in all? = 90 (C)

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

40 ÷ 8 = 5 · 15 ÷ 5 = 3 · 21 ÷ 3 = 7 · 4 ÷ 4 = 1 · 72 ÷ 6 = 12 · 24 ÷ 12 = 2 · 90 ÷ 9 = 10 · 24 ÷ 3 = 8 · 11 ÷ 1 = 11 · 54 ÷ 9 = 6 · 48 ÷ 12 = 4