



The Championship Trophy Caper

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

Detective: _____ Date: _____

Right before the final game of the World Championship, the legendary Golden Bat trophy vanished from the dugout display case! Detective, analyze the ballpark clues to find out who sneaked away with the prize.

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 culprit is _____

Possible suspects

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

NAME	PITCH TYPE	GEAR ITEM	THROWING HAND	CAP STRAY HAIR	GAME DISTRACTION
Ichiro Suzuki	knuckleball	pitch timer	left handed	red hair	loud crowds
Ken Griffey	fastball	radar gun	left handed	blonde hair	loud crowds
Babe Ruth	curveball	rosin bag	right handed	black hair	loud crowds
Sandy Koufax	curveball	pine tar	right handed	red hair	heavy rain
Jackie Robinson	slider	radar gun	left handed	black hair	bright lights
Hank Aaron	slider	rosin bag	right handed	blonde hair	bright lights
Greg Maddux	curveball	rosin bag	right handed	blonde hair	heavy rain
Mike Trout	knuckleball	radar gun	left handed	black hair	bright lights
Cy Young	changeup	pine tar	right handed	black hair	heavy rain
Lou Gehrig	slider	radar gun	left handed	blonde hair	heavy rain
Nolan Ryan	slider	rosin bag	left handed	black hair	bright lights
Ty Cobb	curveball	pine tar	left handed	black hair	loud crowds
Ted Williams	curveball	pine tar	left handed	black hair	bright lights
Randy Johnson	fastball	rosin bag	right handed	black hair	loud crowds
Derek Jeter	slider	pitch timer	left handed	black hair	bright lights
Aaron Judge	changeup	radar gun	left handed	black hair	loud crowds
Willie Mays	changeup	pitch timer	left handed	red hair	loud crowds
Honus Wagner	curveball	pitch timer	left handed	black hair	loud crowds
Mookie Betts	knuckleball	radar gun	left handed	black hair	loud crowds
Cal Ripken	knuckleball	pitch timer	right handed	black hair	bright lights
Roberto Clemente	changeup	batting gloves	left handed	black hair	loud crowds

CLUE 1 Addition

You tally up the extra baseballs found scattered near home plate to narrow down the gear list.

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

T									T								T
3101	2937	4326	4263	7533	4263	5194	4326	6223	3101	5147	6136	4326	4263	6017	6136	3101	
7533	4263	4326	5464	7151	T	T											
					3101	3101	9306	6017	9791	9791	2020	6136	3666	4326	4263		

$1383 + 1718 = \boxed{} \rightarrow \boxed{\text{T}}$

$$2130 + 3064 = \boxed{} \rightarrow \boxed{\text{P}}$$

$2636 + 3587 = \boxed{} \rightarrow \boxed{\text{C}}$

$$2734 + 2413 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$4721 + 2430 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$2036 + 901 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$3398 + 5908 = \boxed{} \rightarrow \boxed{}$$

$$2015 + 4121 = \boxed{} \rightarrow \boxed{\mathbf{0}}$$

$$1462 + 2801 = \boxed{} \rightarrow \boxed{\mathbf{S}}$$

$$3805 + 1659 = \boxed{} \rightarrow \mathbf{B}$$

$$2392 + 1934 = \boxed{} \rightarrow \boxed{\text{E}}$$

$4636 + 5155 = \boxed{} \rightarrow \boxed{\mathbf{G}}$

$$2519 + 5014 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$3597 + 2420 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$1798 + 1868 = \boxed{} \rightarrow \boxed{\mathbf{V}}$$

$1088 + 932 = \boxed{} \rightarrow \boxed{\text{L}}$

Scratch space:

Multiplication facts (1-12)

By calculating the total seats in the stadium sections, you uncover details about the suspect's throwing hand.

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

14 96 27 108 80 14 3 27 40 40 40 2 108 2 25 27 30 14

96 2 3 132 27 132 14 96 45 63 108 27 45

$7 \times 2 = \boxed{} \rightarrow \boxed{\text{T}}$

$9 \times 3 = \boxed{} \rightarrow \boxed{\text{E}}$

$3 \times 1 = \boxed{} \rightarrow \boxed{\text{N}}$

$$5 \times 5 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$10 \times 4 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$8 \times 10 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$12 \times 9 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

$$5 \times 9 = \boxed{} \rightarrow \boxed{\mathbf{R}}$$

$12 \times 8 = \boxed{} \rightarrow \boxed{\text{H}}$

$$9 \times 7 = \boxed{} \rightarrow \boxed{0}$$

$3 \times 10 = \boxed{} \rightarrow \mathbf{F}$

$$2 \times 1 = \boxed{} \rightarrow \boxed{\mathbf{A}}$$

$12 \times 11 = \boxed{} \rightarrow \boxed{\mathbf{D}}$

Scratch space:

CLUE 3
Rounding

The speed display on the stadium radar screen rounds off velocities, pointing straight to a key weakness.

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

T																		
900	2000	3000	1700	2900	20	90	3000	500	3700	20	1300	30	20	50	3000	9000	230	90

2900	430	170	9000	290	500	430	3700	9000	1300

Round 899 to the nearest hundred → **T**

Round 3,658 to the nearest hundred → **W**

Round 29 to the nearest ten → **F**

Round 2,880 to the nearest hundred → **L**

Round 169 to the nearest ten → **U**

Round 9,395 to the nearest thousand → **D**

Round 1,687 to the nearest hundred → **P**

Round 2,585 to the nearest thousand → **E**

Round 429 to the nearest ten → **O**

Round 47 to the nearest ten → **Z**

Round 227 to the nearest ten → **B**

Round 493 to the nearest hundred → **R**

Round 2,332 to the nearest thousand → **H**

Round 86 to the nearest ten → **Y**

Round 289 to the nearest ten → **C**

Round 19 to the nearest ten → **A**

Round 1,306 to the nearest hundred → **S**

Scratch space:

CLUE 4

Word problems

Solving the equipment manager's inventory story problem reveals the hair strand left behind.

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

A strand of B R hair turned up at the scene.

21 85 7 9 34 78 7 45

Equipment Manager found 3 caps yesterday and 18 more today. How many caps in all?

Answer: → B

There were 20 helmets. 11 were used up. How many helmets are left?

Answer: → C

There were 52 caps. 18 were used up. How many caps are left?

Answer: → K

There were 111 bats. 26 were used up. How many bats are left?

Answer: → L

Equipment Manager lined up 5 rows of 9 bats. How many bats in all?

Answer: → I

There were 27 bats. 20 were used up. How many bats are left?

Answer: → A

There were 80 bats. 2 were used up. How many bats are left?

Answer: → H

Scratch space:

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

Dividing the dugout snack rations equally among the roster confirms the final detail.

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:

$30 \div 6 = \boxed{}$

$27 \div 9 = \boxed{}$

$66 \div 11 = \boxed{}$

$108 \div 9 = \boxed{}$

$3 \div 3 = \boxed{}$

$48 \div 6 = \boxed{}$

$30 \div 3 = \boxed{}$

$110 \div 10 = \boxed{}$

$99 \div 11 = \boxed{}$

$18 \div 9 = \boxed{}$

$28 \div 4 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain threw a blazing pitch, then adjusted batting gloves.
2. The villain threw a blazing pitch, then checked the radar gun.
3. The villain swung for the fences, then reset the pitch timer.
4. The villain caught a fly ball, then checked the radar gun.
5. The villain swung for the fences, then applied pine tar.
6. The villain bunted down the line, then checked the radar gun.
7. The villain swung for the fences, then grabbed the rosin bag.
8. The villain stole second base, then adjusted batting gloves.
9. The villain caught a fly ball, then adjusted batting gloves.
10. The villain threw a blazing pitch, then applied pine tar.
11. The villain stole second base, then reset the pitch timer.
12. The villain threw a blazing pitch, then reset the pitch timer.

Answer Key

The Championship Trophy Caper

Culprit: Mookie Betts

knuckleball · radar gun · left handed · black hair · loud crowds

Trail: Start 21 → Clue 1 20 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SUSPECT DOES NOT USE BATTING GLOVES"

$1383 + 1718 = 3101$ (T) · $2130 + 3064 = 5194$ (P) · $2636 + 3587 = 6223$ (C) · $2734 + 2413 = 5147$ (D) · $4721 + 2430 = 7151$ (A) · $2036 + 901 = 2937$ (H) · $3398 + 5908 = 9306$ (I) · $2015 + 4121 = 6136$ (O) · $1462 + 2801 = 4263$ (S) · $3805 + 1659 = 5464$ (B) · $2392 + 1934 = 4326$ (E) · $4636 + 5155 = 9791$ (G) · $2519 + 5014 = 7533$ (U) · $3597 + 2420 = 6017$ (N) · $1798 + 1868 = 3666$ (V) · $1088 + 932 = 2020$ (L)

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

$7 \times 2 = 14$ (T) · $9 \times 3 = 27$ (E) · $3 \times 1 = 3$ (N) · $5 \times 5 = 25$ (L) · $10 \times 4 = 40$ (S) · $8 \times 10 = 80$ (I) · $12 \times 9 = 108$ (W) · $5 \times 9 = 45$ (R) · $12 \times 8 = 96$ (H) · $9 \times 7 = 63$ (O) · $3 \times 10 = 30$ (F) · $2 \times 1 = 2$ (A) · $12 \times 11 = 132$ (D)

Clue 3 (Rounding): "THE PLAYER WAS FAZED BY LOUD CROWDS"

Round 899 to the nearest hundred = 900 (T) · Round 3,658 to the nearest hundred = 3700 (W) · Round 29 to the nearest ten = 30 (F) · Round 2,880 to the nearest hundred = 2900 (L) · Round 169 to the nearest ten = 170 (U) · Round 9,395 to the nearest thousand = 9000 (D) · Round 1,687 to the nearest hundred = 1700 (P) · Round 2,585 to the nearest thousand = 3000 (E) · Round 429 to the nearest ten = 430 (O) · Round 47 to the nearest ten = 50 (Z) · Round 227 to the nearest ten = 230 (B) · Round 493 to the nearest hundred = 500 (R) · Round 2,332 to the nearest thousand = 2000 (H) · Round 86 to the nearest ten = 90 (Y) · Round 289 to the nearest ten = 290 (C) · Round 19 to the nearest ten = 20 (A) · Round 1,306 to the nearest hundred = 1300 (S)

Clue 4 (Word problems): "BLACK HAIR"

Equipment Manager found 3 caps yesterday and 18 more today. How many caps in all? = 21 (B) · There were 20 helmets. 11 were used up. How many helmets are left? = 9 (C) · There were 52 caps. 18 were used up. How many caps are left? = 34 (K) · There were 111 bats. 26 were used up. How many bats are left? = 85 (L) · Equipment Manager lined up 5 rows of 9 bats. How many bats in all? = 45 (I) · There were 27 bats. 20 were used up. How many bats are left? = 7 (A) · There were 80 bats. 2 were used up. How many bats are left? = 78 (H)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Mookie Betts

$30 \div 6 = 5$ · $27 \div 9 = 3$ · $66 \div 11 = 6$ · $108 \div 9 = 12$ · $3 \div 3 = 1$ · $48 \div 6 = 8$ · $30 \div 3 = 10$ · $110 \div 10 = 11$ · $99 \div 11 = 9$ · $18 \div 9 = 2$ · $28 \div 4 = 7$