



# The Great Stadium Steal

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

**Detective:** \_\_\_\_\_ **Date:** \_\_\_\_\_

The Golden Glove Trophy has been stolen from the stadium case! A mysterious figure was seen running past the outfield fence right before the big game. Can you help the groundskeeper find the culprit before the first pitch is thrown?

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 Mascot 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    | FAVORITE STADIUM SNACK | BATTING STANCE      | CAP COLOR       | PITCHING WEAKNESS |
|-------------------|--------------------|------------------------|---------------------|-----------------|-------------------|
| Cal Catcher       | Super Fastball     | Salty Giant Pretzel    | Right Handed Batter | Neon Green Cap  | Slippery Mud      |
| Christy Curve     | Rising Knuckleball | Chili Cheese Dog       | Right Handed Batter | Neon Green Cap  | Soggy Baseball    |
| Yogi Umpire       | Rising Knuckleball | Buttered Popcorn       | Right Handed Batter | Deep Red Cap    | Slippery Mud      |
| Mickey Outfielder | Tricky Slider      | Buttered Popcorn       | Left Handed Batter  | Neon Green Cap  | Soggy Baseball    |
| Rogers Rookie     | Super Fastball     | Sweet Cotton Candy     | Right Handed Batter | Neon Green Cap  | Soggy Baseball    |
| Jackie Shortstop  | Sinking Curveball  | Chili Cheese Dog       | Left Handed Batter  | Neon Green Cap  | Soggy Baseball    |
| Stan Stealer      | Phantom Changeup   | Buttered Popcorn       | Left Handed Batter  | Neon Green Cap  | Loud Cheering     |
| Willie Pitcher    | Super Fastball     | Chili Cheese Dog       | Left Handed Batter  | Neon Green Cap  | Soggy Baseball    |
| Ken Corner        | Phantom Changeup   | Chili Cheese Dog       | Right Handed Batter | Bright Blue Cap | Soggy Baseball    |
| Pete Popfly       | Tricky Slider      | Chili Cheese Dog       | Left Handed Batter  | Deep Red Cap    | Slippery Mud      |
| Cy Cyclone        | Tricky Slider      | Salty Giant Pretzel    | Right Handed Batter | Neon Green Cap  | Loud Cheering     |
| Brooks Bunt       | Sinking Curveball  | Salty Giant Pretzel    | Right Handed Batter | Bright Blue Cap | Soggy Baseball    |
| Roy Rally         | Phantom Changeup   | Sweet Cotton Candy     | Left Handed Batter  | Deep Red Cap    | Slippery Mud      |
| Ernie Glove       | Super Fastball     | Chili Cheese Dog       | Left Handed Batter  | Bright Blue Cap | Soggy Baseball    |
| Ty Triple         | Super Fastball     | Buttered Popcorn       | Left Handed Batter  | Neon Green Cap  | Loud Cheering     |
| Reggie Runner     | Super Fastball     | Buttered Popcorn       | Left Handed Batter  | Bright Blue Cap | Soggy Baseball    |
| Honus Homer       | Tricky Slider      | Buttered Popcorn       | Right Handed Batter | Deep Red Cap    | Loud Cheering     |
| Sandy Slider      | Phantom Changeup   | Roasted Peanuts        | Right Handed Batter | Neon Green Cap  | Soggy Baseball    |
| Hank Hitter       | Sinking Curveball  | Salty Giant Pretzel    | Right Handed Batter | Neon Green Cap  | Soggy Baseball    |
| Nolan Heater      | Sinking Curveball  | Buttered Popcorn       | Right Handed Batter | Neon Green Cap  | Soggy Baseball    |
| Babe Baker        | Tricky Slider      | Chili Cheese Dog       | Left Handed Batter  | Neon Green Cap  | Soggy Baseball    |

**CLUE 1**
**Multiplication facts (1-12)**

The bullpen manager has crates of baseballs. There are several rows of crates, with equal numbers of balls in each row. Let's multiply them to count the gear and find the first clue!

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

|     |    |    |     |    |    |    |   |    |    |    |   |     |    |     |    |    |    |    |
|-----|----|----|-----|----|----|----|---|----|----|----|---|-----|----|-----|----|----|----|----|
| T   |    |    | T   |    |    |    |   |    |    |    |   |     |    | T   |    |    |    |    |
| 144 | 36 | 44 | 144 | 36 | 88 | 44 | 8 | 21 | 96 | 44 | 2 | 100 | 96 | 144 | 60 | 88 | 56 | 44 |

  

|   |    |    |    |     |     |    |     |     |    |     |     |    |     |    |    |
|---|----|----|----|-----|-----|----|-----|-----|----|-----|-----|----|-----|----|----|
|   |    |    |    | T   |     |    | T   | T   |    |     |     |    |     |    |    |
| 2 | 64 | 44 | 44 | 144 | 121 | 96 | 144 | 144 | 96 | 100 | 121 | 32 | 100 | 21 | 33 |

$12 \times 12 = \square \rightarrow \text{T}$

$10 \times 10 = \square \rightarrow \text{N}$

$4 \times 8 = \square \rightarrow \text{A}$

$8 \times 12 = \square \rightarrow \text{O}$

$7 \times 3 = \square \rightarrow \text{D}$

$8 \times 8 = \square \rightarrow \text{W}$

$6 \times 10 = \square \rightarrow \text{L}$

$11 \times 11 = \square \rightarrow \text{C}$

$11 \times 3 = \square \rightarrow \text{Y}$

$8 \times 1 = \square \rightarrow \text{F}$

$4 \times 11 = \square \rightarrow \text{E}$

$11 \times 8 = \square \rightarrow \text{I}$

$7 \times 8 = \square \rightarrow \text{K}$

$9 \times 4 = \square \rightarrow \text{H}$

$1 \times 2 = \square \rightarrow \text{S}$

Scratch space:

## CLUE 2 Subtraction

Someone took bats from the storage rack. If we subtract the missing bats from the starting total, we can trace where the thief ran.

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

|          |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|----------|------|------|------|------|------|------|------|------|------|
| <b>A</b> |      |      |      |      |      |      | <b>A</b> |      |      |      |      |      |      |      |      |      |
| 7987     | 8463 | 3681 | 6132 | 6246 | 5282 | 6246 | 7987     | 5523 | 4840 | 4776 | 4840 | 7302 | 3708 | 3681 | 5523 | 6132 |

  

|      |      |      |      |      |      |      |      |      |          |      |      |      |
|------|------|------|------|------|------|------|------|------|----------|------|------|------|
|      |      |      |      |      |      |      |      |      | <b>A</b> |      |      |      |
| 5909 | 8463 | 1504 | 2923 | 4776 | 5282 | 6246 | 4776 | 6054 | 8937     | 7987 | 5282 | 4776 |

|                                               |                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| $8263 - 276 = \square \rightarrow \text{A}$   | $11438 - 4136 = \square \rightarrow \text{S}$ | $9000 - 4224 = \square \rightarrow \text{E}$  |
| $5635 - 1954 = \square \rightarrow \text{I}$  | $6001 - 2293 = \square \rightarrow \text{W}$  | $7688 - 2848 = \square \rightarrow \text{D}$  |
| $13515 - 4578 = \square \rightarrow \text{L}$ | $9492 - 4210 = \square \rightarrow \text{T}$  | $8465 - 2333 = \square \rightarrow \text{G}$  |
| $10127 - 4218 = \square \rightarrow \text{B}$ | $9952 - 3706 = \square \rightarrow \text{H}$  | $10997 - 2534 = \square \rightarrow \text{R}$ |
| $4082 - 1159 = \square \rightarrow \text{K}$  | $6424 - 4920 = \square \rightarrow \text{O}$  | $10411 - 4888 = \square \rightarrow \text{N}$ |
| $6945 - 891 = \square \rightarrow \text{P}$   |                                               |                                               |

Scratch space:

## CLUE 3 Addition

The concession stand needs to tally up all the hot dogs and pretzels sold today. Add these numbers together to unlock a witness report.

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

|          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>T</b> |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 7259     | 5125 | 8294 | 4653 | 7492 | 6260 | 8294 | 5978 | 7492 | 6369 | 3848 | 9150 | 8358 | 3655 | 3848 | 5783 | 5783 | 4653 |

  

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
|      |      |      |      |      |      |      |      |
| 8009 | 8358 | 3655 | 8294 | 8009 | 8358 | 6260 | 6260 |

|                                                |                                                |                                                |
|------------------------------------------------|------------------------------------------------|------------------------------------------------|
| $2634 + 4625 = \square \rightarrow \mathbf{T}$ | $2505 + 1150 = \square \rightarrow \mathbf{S}$ | $3475 + 2785 = \square \rightarrow \mathbf{L}$ |
| $2438 + 5571 = \square \rightarrow \mathbf{B}$ | $1154 + 2694 = \square \rightarrow \mathbf{O}$ | $2600 + 5694 = \square \rightarrow \mathbf{E}$ |
| $2921 + 2862 = \square \rightarrow \mathbf{G}$ | $2885 + 4607 = \square \rightarrow \mathbf{F}$ | $5725 + 3425 = \square \rightarrow \mathbf{M}$ |
| $1963 + 3162 = \square \rightarrow \mathbf{H}$ | $4979 + 3379 = \square \rightarrow \mathbf{A}$ | $3314 + 2664 = \square \rightarrow \mathbf{D}$ |
| $1770 + 2883 = \square \rightarrow \mathbf{Y}$ | $1999 + 4370 = \square \rightarrow \mathbf{R}$ |                                                |

Scratch space:

## CLUE 4 Rounding

The radar gun caught a super-fast pitch, but the digital screen is fuzzy and only shows the speed rounded to the nearest ten. Round this number to reveal the suspect's cap color.

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

|      |      |     |     |     |     |      |      |     |     |      |    |     |      |     |     |     |     |     |
|------|------|-----|-----|-----|-----|------|------|-----|-----|------|----|-----|------|-----|-----|-----|-----|-----|
| A    |      |     |     |     |     |      |      |     |     |      | A  |     |      |     |     |     |     |     |
| 20   | 900  | 230 | 110 | 900 | 130 | 30   | 230  | 230 | 900 | 2000 | 20 | 430 | 7000 | 230 | 500 | 500 | 110 | 900 |
|      |      |     |     |     |     |      |      |     |     |      |    |     |      |     |     |     |     |     |
| 1300 | 5000 | 230 | 130 | 30  | 20  | 1100 | 1100 |     |     |      |    |     |      |     |     |     |     |     |

Round 17 to the nearest ten  → **A**

Round 6,921 to the nearest thousand  → **F**

Round 1,307 to the nearest hundred  → **T**

Round 432 to the nearest ten  → **P**

Round 1,147 to the nearest hundred  → **S**

Round 27 to the nearest ten  → **R**

Round 851 to the nearest hundred  → **N**

Round 1,919 to the nearest thousand  → **C**

Round 112 to the nearest ten  → **O**

Round 126 to the nearest ten  → **G**

Round 545 to the nearest hundred  → **L**

Round 5,124 to the nearest thousand  → **H**

Round 233 to the nearest ten  → **E**

Scratch space:

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

We have a big bucket of bubblegum to divide equally among the outfielders. Let's divide them up to get the final clue about the thief!

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:**

$36 \div 3 = \boxed{\phantom{00}}$

$72 \div 8 = \boxed{\phantom{00}}$

$48 \div 8 = \boxed{\phantom{00}}$

$18 \div 6 = \boxed{\phantom{00}}$

$77 \div 11 = \boxed{\phantom{00}}$

$10 \div 2 = \boxed{\phantom{00}}$

$88 \div 11 = \boxed{\phantom{00}}$

$8 \div 4 = \boxed{\phantom{00}}$

$80 \div 8 = \boxed{\phantom{00}}$

$132 \div 12 = \boxed{\phantom{00}}$

$12 \div 12 = \boxed{\phantom{00}}$

**Step 2 - cross out the sentence with each answer:**

1. The villain drops a sinking curveball over the fence, then sticky with sweet cotton candy.
2. The villain drops a sinking curveball over the fence, then munching on a chili cheese dog.
3. The villain spins a tricky slider past the defense, then sticky with sweet cotton candy.
4. The villain drops a sinking curveball over the fence, then chewing a salty giant pretzel.
5. The villain launches a rising knuckleball into the lights, then cracking open roasted peanuts.
6. The villain launches a rising knuckleball into the lights, then munching on a chili cheese dog.
7. The villain throws a super fastball into the scoreboard, then sticky with sweet cotton candy.
8. The villain throws a super fastball into the scoreboard, then munching on a chili cheese dog.
9. The villain slips a phantom changeup under the gate, then cracking open roasted peanuts.
10. The villain slips a phantom changeup under the gate, then chewing a salty giant pretzel.
11. The villain slips a phantom changeup under the gate, then sticky with sweet cotton candy.
12. The villain drops a sinking curveball over the fence, then sharing some buttered popcorn.

# Answer Key

## The Great Stadium Steal

### Culprit: Hank Hitter

Sinking Curveball · Salty Giant Pretzel · Right Handed Batter · Neon Green Cap · Soggy Baseball

Trail: Start 21 → Clue 1 19 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

### Clue 1 (Multiplication facts (1-12)): "THE THIEF DOES NOT LIKE SWEET COTTON CANDY"

$12 \times 12 = 144$  (T) ·  $10 \times 10 = 100$  (N) ·  $4 \times 8 = 32$  (A) ·  $8 \times 12 = 96$  (O) ·  $7 \times 3 = 21$  (D) ·  $8 \times 8 = 64$  (W) ·  $6 \times 10 = 60$  (L) ·  $11 \times 11 = 121$  (C) ·  $11 \times 3 = 33$  (Y) ·  $8 \times 1 = 8$  (F) ·  $4 \times 11 = 44$  (E) ·  $11 \times 8 = 88$  (I) ·  $7 \times 8 = 56$  (K) ·  $9 \times 4 = 36$  (H) ·  $1 \times 2 = 2$  (S)

### Clue 2 (Subtraction): "A RIGHT HANDED SWING BROKE THE PLATE"

$8263 - 276 = 7987$  (A) ·  $11438 - 4136 = 7302$  (S) ·  $9000 - 4224 = 4776$  (E) ·  $5635 - 1954 = 3681$  (I) ·  $6001 - 2293 = 3708$  (W) ·  $7688 - 2848 = 4840$  (D) ·  $13515 - 4578 = 8937$  (L) ·  $9492 - 4210 = 5282$  (T) ·  $8465 - 2333 = 6132$  (G) ·  $10127 - 4218 = 5909$  (B) ·  $9952 - 3706 = 6246$  (H) ·  $10997 - 2534 = 8463$  (R) ·  $4082 - 1159 = 2923$  (K) ·  $6424 - 4920 = 1504$  (O) ·  $10411 - 4888 = 5523$  (N) ·  $6945 - 891 = 6054$  (P)

### Clue 3 (Addition): "THEY FLED FROM A SOGGY BASEBALL"

$2634 + 4625 = 7259$  (T) ·  $2505 + 1150 = 3655$  (S) ·  $3475 + 2785 = 6260$  (L) ·  $2438 + 5571 = 8009$  (B) ·  $1154 + 2694 = 3848$  (O) ·  $2600 + 5694 = 8294$  (E) ·  $2921 + 2862 = 5783$  (G) ·  $2885 + 4607 = 7492$  (F) ·  $5725 + 3425 = 9150$  (M) ·  $1963 + 3162 = 5125$  (H) ·  $4979 + 3379 = 8358$  (A) ·  $3314 + 2664 = 5978$  (D) ·  $1770 + 2883 = 4653$  (Y) ·  $1999 + 4370 = 6369$  (R)

### Clue 4 (Rounding): "A NEON GREEN CAP FELL ON THE GRASS"

Round 17 to the nearest ten = 20 (A) · Round 6,921 to the nearest thousand = 7000 (F) · Round 1,307 to the nearest hundred = 1300 (T) · Round 432 to the nearest ten = 430 (P) · Round 1,147 to the nearest hundred = 1100 (S) · Round 27 to the nearest ten = 30 (R) · Round 851 to the nearest hundred = 900 (N) · Round 1,919 to the nearest thousand = 2000 (C) · Round 112 to the nearest ten = 110 (O) · Round 126 to the nearest ten = 130 (G) · Round 545 to the nearest hundred = 500 (L) · Round 5,124 to the nearest thousand = 5000 (H) · Round 233 to the nearest ten = 230 (E)

### Clue 5 (Division facts (1-12)): surviving statement is box 4 → Hank Hitter

$36 \div 3 = 12$  ·  $72 \div 8 = 9$  ·  $48 \div 8 = 6$  ·  $18 \div 6 = 3$  ·  $77 \div 11 = 7$  ·  $10 \div 2 = 5$  ·  $88 \div 11 = 8$  ·  $8 \div 4 = 2$  ·  $80 \div 8 = 10$  ·  $132 \div 12 = 11$  ·  $12 \div 12 = 1$