The World Series Stadium Sabotage

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

Detective: _____ **Date:** _____

Just hours before Game 7 of the World Series at Grand Diamond Stadium, someone tampered with the stadium lights and swapped the game balls with duds. The lead umpire needs your sharp analytical skills to decode clues left behind, analyze suspect profiles, and unmask the culprit before the first pitch.

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 saboteur is _____

Possible suspects

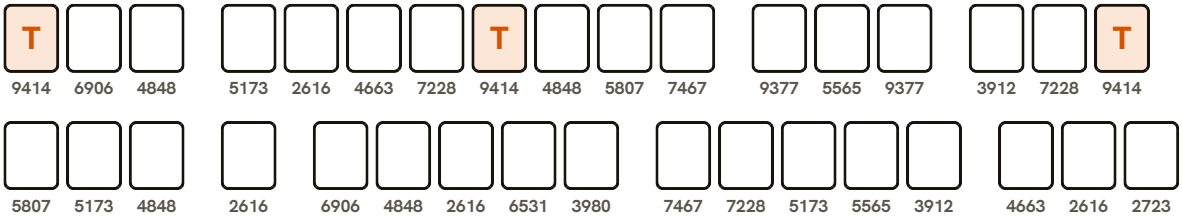
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE PITCH	MODIFIED GEAR	THROWING HAND	HELMET COLOR	GAME FLAW
Freddie Freeman	100mph Fastball	Pine Tar Sleeve	Left Handed Thrower	Bright Red Helmet	Loud Air Horns
Ken Griffey Jr	100mph Fastball	Heavy Rosin Bag	Right Handed Thrower	Emerald Green Helmet	Wet Infield Dirt
Derek Jeter	Sinking Changeup	Heavy Rosin Bag	Left Handed Thrower	Bright Red Helmet	Loud Air Horns
Ted Williams	Sinking Changeup	Steal Stop Watch	Left Handed Thrower	Emerald Green Helmet	Wet Infield Dirt
Clayton Kershaw	100mph Fastball	Pine Tar Sleeve	Left Handed Thrower	Emerald Green Helmet	Loud Air Horns
Babe Ruth	Sinking Changeup	Steal Stop Watch	Right Handed Thrower	Emerald Green Helmet	Wet Infield Dirt
Mookie Betts	Wicked Curveball	Titanium Bat	Right Handed Thrower	Navy Blue Helmet	Wet Infield Dirt
Justin Verlander	100mph Fastball	Radar Blinder	Right Handed Thrower	Emerald Green Helmet	Wet Infield Dirt
Nolan Ryan	Sinking Changeup	Pine Tar Sleeve	Right Handed Thrower	Emerald Green Helmet	Loud Air Horns
Max Scherzer	Razor Slider	Radar Blinder	Left Handed Thrower	Emerald Green Helmet	Wet Infield Dirt
Roberto Clemente	Wicked Curveball	Steal Stop Watch	Right Handed Thrower	Emerald Green Helmet	Wet Infield Dirt
Cal Ripken Jr	Razor Slider	Titanium Bat	Left Handed Thrower	Emerald Green Helmet	Bright Radar Guns
Gerrit Cole	100mph Fastball	Heavy Rosin Bag	Right Handed Thrower	Emerald Green Helmet	Bright Radar Guns
Sandy Koufax	Razor Slider	Pine Tar Sleeve	Left Handed Thrower	Navy Blue Helmet	Bright Radar Guns
Lou Gehrig	Wicked Curveball	Radar Blinder	Left Handed Thrower	Bright Red Helmet	Wet Infield Dirt
Hank Aaron	Dancing Knuckleball	Radar Blinder	Left Handed Thrower	Bright Red Helmet	Bright Radar Guns
Jackie Robinson	Razor Slider	Steal Stop Watch	Right Handed Thrower	Bright Red Helmet	Wet Infield Dirt
Willie Mays	100mph Fastball	Steal Stop Watch	Right Handed Thrower	Emerald Green Helmet	Wet Infield Dirt
Pedro Martinez	Wicked Curveball	Steal Stop Watch	Left Handed Thrower	Navy Blue Helmet	Loud Air Horns
Bryce Harper	100mph Fastball	Steal Stop Watch	Left Handed Thrower	Emerald Green Helmet	Loud Air Horns
Mike Trout	Razor Slider	Titanium Bat	Right Handed Thrower	Emerald Green Helmet	Loud Air Horns

CLUE 1 Addition

> To secure the dugout, you tally all the extra bat racks found behind home plate.

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



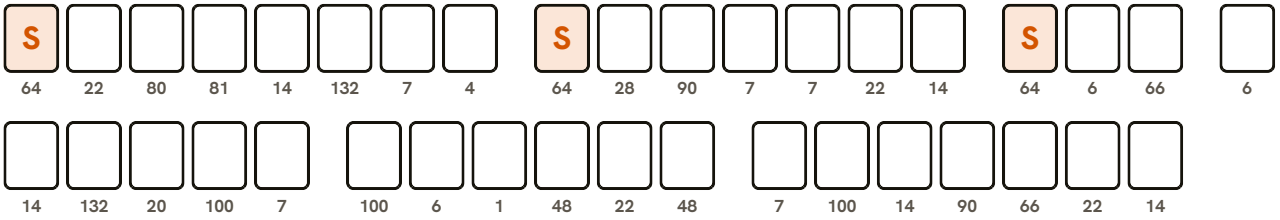
3058 + 6356 = ☐ → T	3176 + 1997 = ☐ → S	2338 + 3469 = ☐ → U
978 + 1638 = ☐ → A	2499 + 4032 = ☐ → V	2130 + 1782 = ☐ → N
2065 + 2598 = ☐ → B	1716 + 2264 = ☐ → Y	2787 + 2778 = ☐ → I
3328 + 3578 = ☐ → H	2869 + 1979 = ☐ → E	887 + 1836 = ☐ → G
3299 + 4168 = ☐ → R	2903 + 4325 = ☐ → O	3666 + 5711 = ☐ → D

Scratch space:

CLUE 2 Multiplication facts (1-12)

Inspecting the grandstands, you calculate total seating capacity across identical stadium rows.

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



$8 \times 8 =$ ☐ → **S**

$8 \times 10 =$ ☐ → **C**

$9 \times 9 =$ ☐ → **U**

$1 \times 4 =$ ☐ → **Y**

$3 \times 2 =$ ☐ → **A**

$10 \times 2 =$ ☐ → **G**

$12 \times 11 =$ ☐ → **I**

$7 \times 4 =$ ☐ → **P**

$7 \times 2 =$ ☐ → **R**

$11 \times 6 =$ ☐ → **W**

$1 \times 7 =$ ☐ → **T**

$11 \times 2 =$ ☐ → **E**

$1 \times 1 =$ ☐ → **N**

$9 \times 10 =$ ☐ → **O**

$10 \times 10 =$ ☐ → **H**

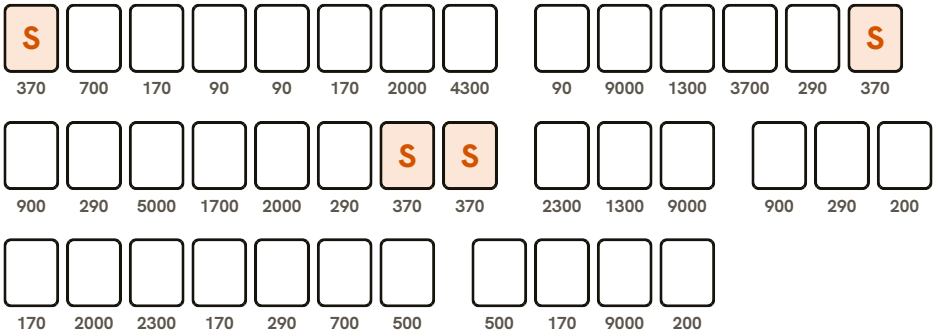
$8 \times 6 =$ ☐ → **D**

Scratch space:

CLUE 3 Rounding

The electronic scoreboard radar display rounds speed readouts to the nearest whole number.

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



Round 368 to the nearest ten ☐ → S

Round 4,259 to the nearest hundred ☐ → G

Round 2,392 to the nearest thousand ☐ → N

Round 709 to the nearest hundred ☐ → L

Round 171 to the nearest ten ☐ → I

Round 5,265 to the nearest thousand ☐ → A

Round 1,341 to the nearest hundred ☐ → O

Round 294 to the nearest ten ☐ → E

Round 1,682 to the nearest hundred ☐ → K

Round 9,208 to the nearest thousand ☐ → R

Round 3,693 to the nearest hundred ☐ → V

Round 2,308 to the nearest hundred ☐ → F

Round 491 to the nearest hundred ☐ → D

Round 214 to the nearest hundred ☐ → T

Round 900 to the nearest hundred ☐ → W

Round 89 to the nearest ten ☐ → P

Scratch space:

CLUE 4 Word problems

Analyzing inventory logs for stolen baseball gear requires solving several game day equations.

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

A strand of

E		E							E	E	N	H	E			E	T
105	117	105	111	103	120	118	57	111	105	105		105	120	117	105		

hair turned up at the scene.

There were 130 pitching charts. 25 were used up. How many pitching charts are left?

Answer: ☐ → E

Equipment manager found 110 championship rings yesterday and 8 more today. How many championship rings in all?

Answer: ☐ → D

There were 117 batting helmets. 14 were used up. How many batting helmets are left?

Answer: ☐ → A

Equipment manager found 90 batting helmets yesterday and 27 more today. How many batting helmets in all?

Answer: ☐ → M

Equipment manager lined up 10 rows of 12 pitching charts. How many pitching charts in all?

Answer: ☐ → L

Equipment manager found 27 pitching charts yesterday and 84 more today. How many pitching charts in all?

Answer: ☐ → R

There were 79 batting helmets. 22 were used up. How many batting helmets are left?

Answer: ☐ → G

Scratch space:

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

> To check storage boxes, you divide the leftover pitching caps equally between bullpen lockers.

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 ÷ 10 = ☐ | 18 ÷ 3 = ☐ | 4 ÷ 4 = ☐ | 8 ÷ 1 = ☐ | 16 ÷ 8 = ☐

27 ÷ 3 = ☐ | 60 ÷ 6 = ☐ | 84 ÷ 12 = ☐ | 48 ÷ 12 = ☐ | 40 ÷ 8 = ☐

121 ÷ 11 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain dropped a sudden curveball into the catcher mitt, then clicked a steal stop watch near the bullpen gate.
2. The villain hurled a fast beam toward home plate, then slammed a pine tar sleeve onto the dugout railing.
3. The villain snapped a steep breaking ball into the dirt, then clicked a steal stop watch near the bullpen gate.
4. The villain snapped a steep breaking ball into the dirt, then slammed a pine tar sleeve onto the dugout railing.
5. The villain dropped a sudden curveball into the catcher mitt, then swung a titanium bat to smash the scorekeeper box.
6. The villain hurled a fast beam toward home plate, then clicked a steal stop watch near the bullpen gate.
7. The villain hurled a fast beam toward home plate, then tossed a heavy rosin bag across the mound.
8. The villain spun a sharp slider past the batter, then slammed a pine tar sleeve onto the dugout railing.
9. The villain snapped a steep breaking ball into the dirt, then flashed a radar blinder at the press box.
10. The villain floated an erratic knuckler over the fence, then slammed a pine tar sleeve onto the dugout railing.
11. The villain dropped a sudden curveball into the catcher mitt, then slammed a pine tar sleeve onto the dugout railing.
12. The villain hurled a fast beam toward home plate, then flashed a radar blinder at the press box.

TEACHER / PARENT

Answer Key

The World Series Stadium Sabotage

Culprit: Justin Verlander

100mph Fastball · Radar Blinder · Right Handed Thrower · Emerald Green Helmet · Wet Infield Dirt

Trail: Start 21 → Clue 1 18 → Clue 2 8 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SABOTEUR DID NOT USE A HEAVY ROSIN BAG"

3058 + 6356 = 9414 (T) · 3176 + 1997 = 5173 (S) · 2338 + 3469 = 5807 (U) · 978 + 1638 = 2616 (A) · 2499 + 4032 = 6531 (V) · 2130 + 1782 = 3912 (N) · 2065 + 2598 = 4663 (B) · 1716 + 2264 = 3980 (Y) · 2787 + 2778 = 5565 (I) · 3328 + 3578 = 6906 (H) · 2869 + 1979 = 4848 (E) · 887 + 1836 = 2723 (G) · 3299 + 4168 = 7467 (R) · 2903 + 4325 = 7228 (O) · 3666 + 5711 = 9377 (D)

Clue 2 (Multiplication facts (1-12)): "SECURITY SPOTTER SAW A RIGHT HANDED THROWER"

8 × 8 = 64 (S) · 8 × 10 = 80 (C) · 9 × 9 = 81 (U) · 1 × 4 = 4 (Y) · 3 × 2 = 6 (A) · 10 × 2 = 20 (G) · 12 × 11 = 132 (I) · 7 × 4 = 28 (P) · 7 × 2 = 14 (R) · 11 × 6 = 66 (W) · 1 × 7 = 7 (T) · 11 × 2 = 22 (E) · 1 × 1 = 1 (N) · 9 × 10 = 90 (O) · 10 × 10 = 100 (H) · 8 × 6 = 48 (D)

Clue 3 (Rounding): "SLIPPING PROVES WEAKNESS FOR WET INFIELD DIRT"

Round 368 to the nearest ten = 370 (S) · Round 4,259 to the nearest hundred = 4300 (G) · Round 2,392 to the nearest thousand = 2000 (N) · Round 709 to the nearest hundred = 700 (L) · Round 171 to the nearest ten = 170 (I) · Round 5,265 to the nearest thousand = 5000 (A) · Round 1,341 to the nearest hundred = 1300 (O) · Round 294 to the nearest ten = 290 (E) · Round 1,682 to the nearest hundred = 1700 (K) · Round 9,208 to the nearest thousand = 9000 (R) · Round 3,693 to the nearest hundred = 3700 (V) · Round 2,308 to the nearest hundred = 2300 (F) · Round 491 to the nearest hundred = 500 (D) · Round 214 to the nearest hundred = 200 (T) · Round 900 to the nearest hundred = 900 (W) · Round 89 to the nearest ten = 90 (P)

Clue 4 (Word problems): "EMERALD GREEN HELMET"

There were 130 pitching charts. 25 were used up. How many pitching charts are left? = 105 (E) · Equipment manager found 110 championship rings yesterday and 8 more today. How many championship rings in all? = 118 (D) · There were 117 batting helmets. 14 were used up. How many batting helmets are left? = 103 (A) · Equipment manager found 90 batting helmets yesterday and 27 more today. How many batting helmets in all? = 117 (M) · Equipment manager lined up 10 rows of 12 pitching charts. How many pitching charts in all? = 120 (L) · Equipment manager found 27 pitching charts yesterday and 84 more today. How many pitching charts in all? = 111 (R) · There were 79 batting helmets. 22 were used up. How many batting helmets are left? = 57 (G)

Clue 5 (Division facts (1-12)): surviving statement is box 12 → Justin Verlander

30 ÷ 10 = 3 · 18 ÷ 3 = 6 · 4 ÷ 4 = 1 · 8 ÷ 1 = 8 · 16 ÷ 8 = 2 · 27 ÷ 3 = 9 · 60 ÷ 6 = 10 · 84 ÷ 12 = 7 · 48 ÷ 12 = 4 · 40 ÷ 8 = 5 · 121 ÷ 11 = 11