



The Great Stadium Sabotage

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

Detective: _____ Date: _____

Someone switched all the baseballs with heavy practice balls right before the championship game! Coach Miller needs you to examine the evidence and catch the culprit before opening 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 Rival Mascot is _____

Possible suspects

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

NAME	PITCH STYLE	SECRET GEAR	THROWING HAND	HAIR COLOR	DISTRACTION
Willie Mays	Wicked Slider	Sticky Pine Tar	Left Handed	Black Hair	Crunchy Sunflower Seeds
Derek Jeter	Sneaky Curve	Weighted Bat	Right Handed	Blonde Hair	Loud Stadium Horns
Buster Posey	Slow Changeup	Stealth Cleats	Left Handed	Blonde Hair	Crunchy Sunflower Seeds
Pedro Martinez	Slow Changeup	Radar Jammer	Left Handed	Blonde Hair	Loud Stadium Horns
Ichiro Suzuki	Sneaky Curve	Scuffed Baseball	Right Handed	Brown Hair	Loud Stadium Horns
Albert Pujols	Sneaky Curve	Sticky Pine Tar	Left Handed	Blonde Hair	Crunchy Sunflower Seeds
Ken Griffey	Sneaky Curve	Scuffed Baseball	Right Handed	Black Hair	Crunchy Sunflower Seeds
Mookie Betts	Sneaky Curve	Weighted Bat	Right Handed	Blonde Hair	Crunchy Sunflower Seeds
Nolan Ryan	Wicked Slider	Scuffed Baseball	Right Handed	Blonde Hair	Crunchy Sunflower Seeds
Clayton Kershaw	Slow Changeup	Stealth Cleats	Right Handed	Blonde Hair	Crunchy Sunflower Seeds
Hank Aaron	Sneaky Curve	Stealth Cleats	Left Handed	Blonde Hair	Loud Stadium Horns
David Ortiz	Dancing Knuckleball	Stealth Cleats	Right Handed	Blonde Hair	Squeaky Mascot Shoes
Aaron Judge	Fire Fastball	Stealth Cleats	Right Handed	Blonde Hair	Squeaky Mascot Shoes
Cy Young	Sneaky Curve	Stealth Cleats	Right Handed	Blonde Hair	Crunchy Sunflower Seeds
Miguel Cabrera	Slow Changeup	Stealth Cleats	Right Handed	Black Hair	Crunchy Sunflower Seeds
Mike Trout	Dancing Knuckleball	Radar Jammer	Right Handed	Blonde Hair	Crunchy Sunflower Seeds
Shohei Ohtani	Wicked Slider	Weighted Bat	Right Handed	Black Hair	Crunchy Sunflower Seeds
Sandy Koufax	Dancing Knuckleball	Scuffed Baseball	Right Handed	Blonde Hair	Loud Stadium Horns
Cal Ripken	Fire Fastball	Scuffed Baseball	Right Handed	Black Hair	Crunchy Sunflower Seeds
Jackie Robinson	Dancing Knuckleball	Scuffed Baseball	Left Handed	Black Hair	Squeaky Mascot Shoes
Justin Verlander	Wicked Slider	Weighted Bat	Right Handed	Black Hair	Squeaky Mascot Shoes

CLUE 1 Place value

You inspect the dugout digital locker lock. The screen shows digit places for hundreds and tens to reveal the secret clue.

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

T												T			
3000	30	100	700	80	100	900	800	600	700	6000	700	50	100	60	3000
		T								T				T	
80	9000	3000	6000	700	100	10	100	7000	90	30	3000	100	70	20	900

What is the value of the 3 in 3,602? → **T**

What is the value of the 7 in 376? → **D**

What is the value of the 1 in 419? → **W**

What is the value of the 3 in 1,436? → **H**

What is the value of the 8 in 816? → **K**

What is the value of the 6 in 618? → **Y**

What is the value of the 7 in 7,116? → **I**

What is the value of the 6 in 3,861? → **C**

What is the value of the 9 in 89,288? → **O**

What is the value of the 8 in 9,482? → **N**

What is the value of the 7 in 3,741? → **S**

What is the value of the 2 in 1,526? → **B**

What is the value of the 9 in 5,690? → **G**

What is the value of the 1 in 7,132? → **E**

What is the value of the 6 in 46,705? → **U**

What is the value of the 9 in 7,958? → **A**

What is the value of the 5 in 156? → **P**

Scratch space:

CLUE 2 Addition

You gather scorecards from the bullpen. Adding up the total pitches gives you the next clue.

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

F																				
823	904	904	608	635	520	799	356	608	273	273	534	904	724	477	520	799	848	534	608	

534	477	356	224	855	224	608	534	520	904	724	855	520	583	855	F					

$417 + 406 = \square \rightarrow \text{F}$

$83 + 141 = \square \rightarrow \text{D}$

$431 + 424 = \square \rightarrow \text{E}$

$269 + 208 = \square \rightarrow \text{A}$

$296 + 224 = \square \rightarrow \text{R}$

$216 + 140 = \square \rightarrow \text{N}$

$486 + 238 = \square \rightarrow \text{W}$

$189 + 394 = \square \rightarrow \text{L}$

$268 + 531 = \square \rightarrow \text{I}$

$289 + 319 = \square \rightarrow \text{T}$

$330 + 204 = \square \rightarrow \text{H}$

$168 + 105 = \square \rightarrow \text{S}$

$273 + 575 = \square \rightarrow \text{G}$

$353 + 551 = \square \rightarrow \text{O}$

$279 + 356 = \square \rightarrow \text{P}$

Scratch space:

CLUE 3
Subtraction

You check the gear bag inventory. Subtracting missing bats from the total reveals a hidden clue.

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

S							S									
393	251	761	591	772	633	261	393	104	261	543	204	204	633	104		

							S									
591	261	843	251	591	293	648	393	843	251	571	115	543	218	633	261	

S				S				
393	633	633	104	393	293	633	261	633

$599 - 206 = \boxed{} \rightarrow \boxed{\text{S}}$

$420 - 305 = \boxed{} \rightarrow \boxed{\text{L}}$

$624 - 33 = \boxed{} \rightarrow \boxed{\text{C}}$

$574 - 323 = \boxed{} \rightarrow \boxed{\text{N}}$

$408 - 147 = \boxed{} \rightarrow \boxed{\text{R}}$

$694 - 123 = \boxed{} \rightarrow \boxed{\text{F}}$

$849 - 6 = \boxed{} \rightarrow \boxed{\text{U}}$

$703 - 70 = \boxed{} \rightarrow \boxed{\text{E}}$

$727 - 79 = \boxed{} \rightarrow \boxed{\text{Y}}$

$957 - 196 = \boxed{} \rightarrow \boxed{\text{A}}$

$473 - 269 = \boxed{} \rightarrow \boxed{\text{P}}$

$968 - 196 = \boxed{} \rightarrow \boxed{\text{K}}$

$371 - 78 = \boxed{} \rightarrow \boxed{\text{H}}$

$489 - 385 = \boxed{} \rightarrow \boxed{\text{D}}$

$287 - 69 = \boxed{} \rightarrow \boxed{\text{W}}$

$836 - 293 = \boxed{} \rightarrow \boxed{\text{O}}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

You count the rows of baseball helmets on the equipment rack. Multiplying the rows and columns unlocks a new clue.

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

F																			
9	3	99	27	42	12	22	3	27	42	40	24	100	55	10	49	36	99	18	80
36	3	36	24	40	12	100	36	10	100	18	80								

$9 \times 1 = \square \rightarrow \boxed{\text{F}}$

$3 \times 9 = \square \rightarrow \boxed{\text{N}}$

$1 \times 3 = \square \rightarrow \boxed{\text{O}}$

$9 \times 4 = \square \rightarrow \boxed{\text{T}}$

$5 \times 11 = \square \rightarrow \boxed{\text{I}}$

$2 \times 5 = \square \rightarrow \boxed{\text{R}}$

$2 \times 11 = \square \rightarrow \boxed{\text{L}}$

$10 \times 8 = \square \rightarrow \boxed{\text{K}}$

$4 \times 10 = \square \rightarrow \boxed{\text{E}}$

$2 \times 9 = \square \rightarrow \boxed{\text{C}}$

$12 \times 1 = \square \rightarrow \boxed{\text{B}}$

$11 \times 9 = \square \rightarrow \boxed{\text{U}}$

$3 \times 8 = \square \rightarrow \boxed{\text{H}}$

$7 \times 6 = \square \rightarrow \boxed{\text{D}}$

$7 \times 7 = \square \rightarrow \boxed{\text{S}}$

$10 \times 10 = \square \rightarrow \boxed{\text{A}}$

Scratch space:

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

You split a bucket of practice balls equally among the infielders. Dividing them up gives you the final clue.

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:

$77 \div 7 = \boxed{}$

$54 \div 6 = \boxed{}$

$96 \div 12 = \boxed{}$

$6 \div 3 = \boxed{}$

$120 \div 12 = \boxed{}$

$44 \div 11 = \boxed{}$

$6 \div 6 = \boxed{}$

$60 \div 5 = \boxed{}$

$54 \div 9 = \boxed{}$

$6 \div 2 = \boxed{}$

$70 \div 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain threw a sneaky curve, then applied sticky pine tar.
2. The villain threw a fire fastball, then swapped in a weighted bat.
3. The villain threw a sneaky curve, then turned on a radar jammer.
4. The villain threw a slow changeup, then turned on a radar jammer.
5. The villain threw a dancing knuckleball, then turned on a radar jammer.
6. The villain threw a dancing knuckleball, then applied sticky pine tar.
7. The villain threw a slow changeup, then applied sticky pine tar.
8. The villain threw a slow changeup, then laced up stealth cleats.
9. The villain threw a sneaky curve, then laced up stealth cleats.
10. The villain threw a fire fastball, then applied sticky pine tar.
11. The villain threw a wicked slider, then threw a scuffed baseball.
12. The villain threw a slow changeup, then threw a scuffed baseball.

Answer Key

The Great Stadium Sabotage

Culprit: Mike Trout

Dancing Knuckleball · Radar Jammer · Right Handed · Blonde Hair · Crunchy Sunflower Seeds

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE SNEAKY SUSPECT DID NOT USE WEIGHTED BATS"

What is the value of the 3 in 3,602? = 3000 (T) · What is the value of the 7 in 376? = 70 (D) · What is the value of the 1 in 419? = 10 (W) · What is the value of the 3 in 1,436? = 30 (H) · What is the value of the 8 in 816? = 800 (K) · What is the value of the 6 in 618? = 600 (Y) · What is the value of the 7 in 7,116? = 7000 (I) · What is the value of the 6 in 3,861? = 60 (C) · What is the value of the 9 in 89,288? = 9000 (O) · What is the value of the 8 in 9,482? = 80 (N) · What is the value of the 7 in 3,741? = 700 (S) · What is the value of the 2 in 1,526? = 20 (B) · What is the value of the 9 in 5,690? = 90 (G) · What is the value of the 1 in 7,132? = 100 (E) · What is the value of the 6 in 46,705? = 6000 (U) · What is the value of the 9 in 7,958? = 900 (A) · What is the value of the 5 in 156? = 50 (P)

Clue 2 (Addition): "FOOTPRINTS SHOW A RIGHT HANDED THROWER LEFT"

$417 + 406 = 823$ (F) · $83 + 141 = 224$ (D) · $431 + 424 = 855$ (E) · $269 + 208 = 477$ (A) · $296 + 224 = 520$ (R) · $216 + 140 = 356$ (N) · $486 + 238 = 724$ (W) · $189 + 394 = 583$ (L) · $268 + 531 = 799$ (I) · $289 + 319 = 608$ (T) · $330 + 204 = 534$ (H) · $168 + 105 = 273$ (S) · $273 + 575 = 848$ (G) · $353 + 551 = 904$ (O) · $279 + 356 = 635$ (P)

Clue 3 (Subtraction): "SNACKERS DROPPED CRUNCHY SUNFLOWER SEEDS HERE"

$599 - 206 = 393$ (S) · $420 - 305 = 115$ (L) · $624 - 33 = 591$ (C) · $574 - 323 = 251$ (N) · $408 - 147 = 261$ (R) · $694 - 123 = 571$ (F) · $849 - 6 = 843$ (U) · $703 - 70 = 633$ (E) · $727 - 79 = 648$ (Y) · $957 - 196 = 761$ (A) · $473 - 269 = 204$ (P) · $968 - 196 = 772$ (K) · $371 - 78 = 293$ (H) · $489 - 385 = 104$ (D) · $287 - 69 = 218$ (W) · $836 - 293 = 543$ (O)

Clue 4 (Multiplication facts (1-12)): "FOUND BLONDE HAIR STUCK TO THE BAT RACK"

$9 \times 1 = 9$ (F) · $3 \times 9 = 27$ (N) · $1 \times 3 = 3$ (O) · $9 \times 4 = 36$ (T) · $5 \times 11 = 55$ (I) · $2 \times 5 = 10$ (R) · $2 \times 11 = 22$ (L) · $10 \times 8 = 80$ (K) · $4 \times 10 = 40$ (E) · $2 \times 9 = 18$ (C) · $12 \times 1 = 12$ (B) · $11 \times 9 = 99$ (U) · $3 \times 8 = 24$ (H) · $7 \times 6 = 42$ (D) · $7 \times 7 = 49$ (S) · $10 \times 10 = 100$ (A)

Clue 5 (Division facts (1-12)): surviving statement is box 5 → Mike Trout

$77 \div 7 = 11$ · $54 \div 6 = 9$ · $96 \div 12 = 8$ · $6 \div 3 = 2$ · $120 \div 12 = 10$ · $44 \div 11 = 4$ · $6 \div 6 = 1$ · $60 \div 5 = 12$ · $54 \div 9 = 6$ · $6 \div 2 = 3$ · $70 \div 10 = 7$