The Mystery of the Missing World Series Ring

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

Detective: _____ **Date:** _____

During the championship pennant celebration at Grand Slam Diamond Stadium, someone snuck into the trophy room and snatched the golden championship ring! The stadium detective needs your math skills to eliminate suspects and catch the rogue player before the team bus leaves.

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 culprit is _____

Possible suspects

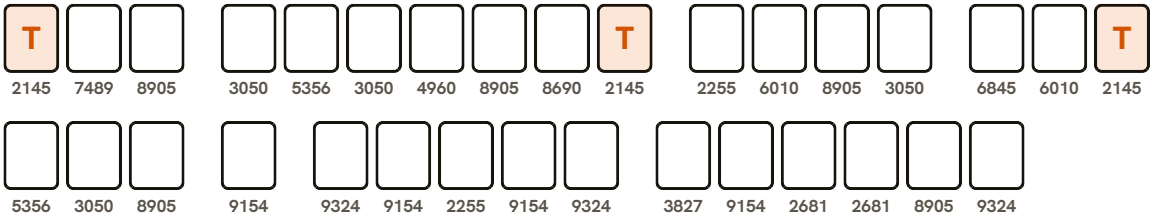
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	PITCH STYLE	SPECIAL GEAR	THROWING HAND	CAP COLOR	BATTING WEAKNESS
Ronald Acuna	Slider Expert	Stealth Cleats	Left Handed	Black Baseball Cap	High Fastballs
Juan Soto	Slider Expert	Laser Scope Helm	Left Handed	Red Baseball Cap	Low Changeups
Babe Ruth	Changeup Tactician	Stealth Cleats	Left Handed	Blue Baseball Cap	High Fastballs
Adley Rutschman	Fastball Specialist	Heavy Doughnut Bat	Right Handed	Red Baseball Cap	Low Changeups
Derek Jeter	Slider Expert	Pine Tar Glove	Left Handed	Red Baseball Cap	Inside Sinkers
Willie Mays	Changeup Tactician	Radar Jammer	Right Handed	Blue Baseball Cap	Inside Sinkers
Bryce Harper	Fastball Specialist	Pine Tar Glove	Left Handed	Black Baseball Cap	High Fastballs
Lou Gehrig	Slider Expert	Heavy Doughnut Bat	Left Handed	Black Baseball Cap	Inside Sinkers
Mike Trout	Fastball Specialist	Stealth Cleats	Left Handed	Blue Baseball Cap	Low Changeups
Hank Aaron	Changeup Tactician	Heavy Doughnut Bat	Left Handed	Blue Baseball Cap	Low Changeups
Justin Verlander	Curveball Master	Laser Scope Helm	Left Handed	Blue Baseball Cap	Low Changeups
Roberto Clemente	Changeup Tactician	Laser Scope Helm	Right Handed	Blue Baseball Cap	Low Changeups
Mookie Betts	Fastball Specialist	Stealth Cleats	Right Handed	Black Baseball Cap	High Fastballs
Cal Ripken	Knuckleball Thrower	Heavy Doughnut Bat	Left Handed	Black Baseball Cap	Low Changeups
Clayton Kershaw	Knuckleball Thrower	Heavy Doughnut Bat	Right Handed	Red Baseball Cap	High Fastballs
Ted Williams	Slider Expert	Radar Jammer	Left Handed	Blue Baseball Cap	Low Changeups
Shohei Ohtani	Knuckleball Thrower	Pine Tar Glove	Right Handed	Blue Baseball Cap	Low Changeups
Ken Griffey	Fastball Specialist	Stealth Cleats	Left Handed	Blue Baseball Cap	Inside Sinkers
Freddie Freeman	Slider Expert	Heavy Doughnut Bat	Left Handed	Blue Baseball Cap	Inside Sinkers
Jackie Robinson	Knuckleball Thrower	Pine Tar Glove	Left Handed	Blue Baseball Cap	Low Changeups
Max Scherzer	Curveball Master	Heavy Doughnut Bat	Left Handed	Black Baseball Cap	Low Changeups

CLUE 1 Addition

> The head groundskeeper totaled up the misplaced practice baseballs found near the home dugout.

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



1234 + 911 = ☐ → T	2875 + 2481 = ☐ → U	3519 + 3326 = ☐ → N
1367 + 2460 = ☐ → J	1499 + 3461 = ☐ → P	2426 + 3584 = ☐ → O
2986 + 6338 = ☐ → R	3452 + 5453 = ☐ → E	3547 + 5143 = ☐ → C
4179 + 4975 = ☐ → A	2876 + 4613 = ☐ → H	1634 + 1047 = ☐ → M
1775 + 1275 = ☐ → S	970 + 1285 = ☐ → D	

Scratch space:

CLUE 2 Multiplication facts (1-12)

The stadium security team checked the grid of batting cages, multiplying rows by lockers to track movement.

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

W									W					
45	88	11	16	2	35	35	35	33	45	33	22	2	96	11

										W					
70	33	16	108	2	108	11	70	5	9	45	33	11	11	70	2

6	22	33	11	2

9 × 5 = ☐ → W

2 × 1 = ☐ → E

5 × 7 = ☐ → S

3 × 2 = ☐ → P

2 × 8 = ☐ → N

11 × 1 = ☐ → T

3 × 11 = ☐ → A

12 × 8 = ☐ → F

7 × 10 = ☐ → H

12 × 9 = ☐ → D

5 × 1 = ☐ → R

9 × 1 = ☐ → O

11 × 2 = ☐ → L

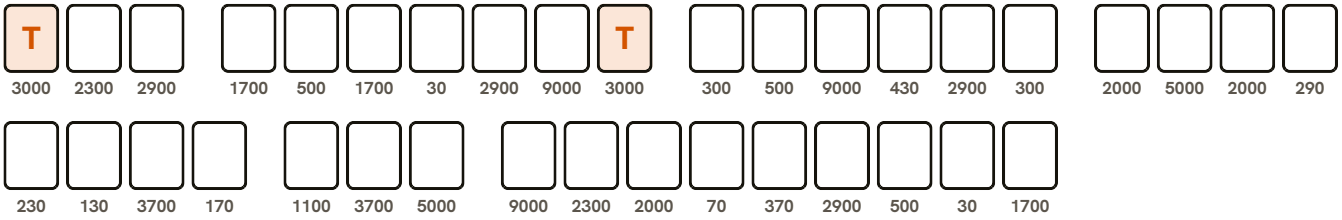
11 × 8 = ☐ → I

Scratch space:

CLUE 3 Rounding

> The speed radar gun on the outfield wall rounds every pitch speed to the nearest five miles per hour.

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



Round 3,065 to the nearest thousand ☐ → T

Round 307 to the nearest hundred ☐ → D

Round 294 to the nearest ten ☐ → Y

Round 28 to the nearest ten ☐ → P

Round 66 to the nearest ten ☐ → N

Round 130 to the nearest ten ☐ → R

Round 431 to the nearest ten ☐ → K

Round 370 to the nearest ten ☐ → G

Round 2,874 to the nearest hundred ☐ → E

Round 4,680 to the nearest thousand ☐ → W

Round 1,655 to the nearest hundred ☐ → S

Round 1,945 to the nearest thousand ☐ → A

Round 459 to the nearest hundred ☐ → U

Round 169 to the nearest ten ☐ → M

Round 8,962 to the nearest thousand ☐ → C

Round 2,341 to the nearest hundred ☐ → H

Round 1,115 to the nearest hundred ☐ → L

Round 226 to the nearest ten ☐ → F

Round 3,663 to the nearest hundred ☐ → O

Scratch space:

CLUE 4 Word problems

The equipment manager needs your help organizing team gear counts before night practice begins.

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

A strand of

B				B				B						P
28	40	62	48	28	53	107	48	28	53	40	40	47	53	

hair turned up at the scene.

Equipment manager found 9 leather gloves yesterday and 19 more today. How many leather gloves in all?

Answer: ☐ → **B**

Equipment manager found 18 leather gloves yesterday and 35 more today. How many leather gloves in all?

Answer: ☐ → **A**

Equipment manager found 32 cleats yesterday and 75 more today. How many cleats in all?

Answer: ☐ → **S**

Equipment manager lined up 4 rows of 10 leather gloves. How many leather gloves in all?

Answer: ☐ → **L**

Equipment manager lined up 12 rows of 4 batting helmets. How many batting helmets in all?

Answer: ☐ → **E**

There were 100 baseballs. 38 were used up. How many baseballs are left?

Answer: ☐ → **U**

Equipment manager found 11 cleats yesterday and 36 more today. How many cleats in all?

Answer: ☐ → **C**

Scratch space:

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

> The league official evenly divided the recovered game balls among the local youth dugouts.

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:

10 ÷ 5 = ☐	8 ÷ 1 = ☐	56 ÷ 8 = ☐	24 ÷ 2 = ☐	36 ÷ 12 = ☐
40 ÷ 8 = ☐	4 ÷ 4 = ☐	33 ÷ 3 = ☐	30 ÷ 5 = ☐	4 ÷ 1 = ☐
10 ÷ 1 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain threw a fast pitch, then turned on radar jammer.
2. The villain dropped a slow changeup, then swung the heavy bat.
3. The villain spun a sharp curve, then laced stealth cleats.
4. The villain threw a fast pitch, then applied pine tar.
5. The villain dropped a slow changeup, then applied pine tar.
6. The villain floated a weird knuckleball, then turned on radar jammer.
7. The villain floated a weird knuckleball, then applied pine tar.
8. The villain spun a sharp curve, then adjusted laser helm.
9. The villain threw a fast pitch, then laced stealth cleats.
10. The villain slid a tricky cutter, then turned on radar jammer.
11. The villain threw a fast pitch, then adjusted laser helm.
12. The villain slid a tricky cutter, then adjusted laser helm.

TEACHER / PARENT

Answer Key

The Mystery of the Missing World Series Ring

Culprit: Mike Trout

Fastball Specialist · Stealth Cleats · Left Handed · Blue Baseball Cap · Low Changeups

Trail: Start 21 → Clue 1 19 → Clue 2 14 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SUSPECT DOES NOT USE A RADAR JAMMER"

1234 + 911 = 2145 (T) · 2875 + 2481 = 5356 (U) · 3519 + 3326 = 6845 (N) · 1367 + 2460 = 3827 (J) · 1499 + 3461 = 4960 (P) · 2426 + 3584 = 6010 (O) · 2986 + 6338 = 9324 (R) · 3452 + 5453 = 8905 (E) · 3547 + 5143 = 8690 (C) · 4179 + 4975 = 9154 (A) · 2876 + 4613 = 7489 (H) · 1634 + 1047 = 2681 (M) · 1775 + 1275 = 3050 (S) · 970 + 1285 = 2255 (D)

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

9 × 5 = 45 (W) · 2 × 1 = 2 (E) · 5 × 7 = 35 (S) · 3 × 2 = 6 (P) · 2 × 8 = 16 (N) · 11 × 1 = 11 (T) · 3 × 11 = 33 (A) · 12 × 8 = 96 (F) · 7 × 10 = 70 (H) · 12 × 9 = 108 (D) · 5 × 1 = 5 (R) · 9 × 1 = 9 (O) · 11 × 2 = 22 (L) · 11 × 8 = 88 (I)

Clue 3 (Rounding): "THE SUSPECT DUCKED AWAY FROM LOW CHANGEUPS"

Round 3,065 to the nearest thousand = 3000 (T) · Round 307 to the nearest hundred = 300 (D) · Round 294 to the nearest ten = 290 (Y) · Round 28 to the nearest ten = 30 (P) · Round 66 to the nearest ten = 70 (N) · Round 130 to the nearest ten = 130 (R) · Round 431 to the nearest ten = 430 (K) · Round 370 to the nearest ten = 370 (G) · Round 2,874 to the nearest hundred = 2900 (E) · Round 4,680 to the nearest thousand = 5000 (W) · Round 1,655 to the nearest hundred = 1700 (S) · Round 1,945 to the nearest thousand = 2000 (A) · Round 459 to the nearest hundred = 500 (U) · Round 169 to the nearest ten = 170 (M) · Round 8,962 to the nearest thousand = 9000 (C) · Round 2,341 to the nearest hundred = 2300 (H) · Round 1,115 to the nearest hundred = 1100 (L) · Round 226 to the nearest ten = 230 (F) · Round 3,663 to the nearest hundred = 3700 (O)

Clue 4 (Word problems): "BLUE BASEBALL CAP"

Equipment manager found 9 leather gloves yesterday and 19 more today. How many leather gloves in all? = 28 (B) · Equipment manager found 18 leather gloves yesterday and 35 more today. How many leather gloves in all? = 53 (A) · Equipment manager found 32 cleats yesterday and 75 more today. How many cleats in all? = 107 (S) · Equipment manager lined up 4 rows of 10 leather gloves. How many leather gloves in all? = 40 (L) · Equipment manager lined up 12 rows of 4 batting helmets. How many batting helmets in all? = 48 (E) · There were 100 baseballs. 38 were used up. How many baseballs are left? = 62 (U) · Equipment manager found 11 cleats yesterday and 36 more today. How many cleats in all? = 47 (C)

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

10 ÷ 5 = 2 · 8 ÷ 1 = 8 · 56 ÷ 8 = 7 · 24 ÷ 2 = 12 · 36 ÷ 12 = 3 · 40 ÷ 8 = 5 · 4 ÷ 4 = 1 · 33 ÷ 3 = 11 · 30 ÷ 5 = 6 · 4 ÷ 1 = 4 · 10 ÷ 1 = 10