



The Great Championship Trophy Mystery

Grade 10 math · Addition, Multiplication, Rounding, Skip counting, Division · Reading level grades 3-4

Detective: _____ Date: _____

Just minutes before the championship game, the golden trophy vanished from the dugout! Detective Rookie is on the case to check the clues and find the villain.

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 trophy thief 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	FAVORITE GEAR	BATTING STANCE	CAP COLOR	DUGOUT SNACK
Ronald Acuna	Slider	Neon Glove	Right Handed	Red Cap	Bubble Gum
Ken Griffey	Curveball	Gold Bat	Left Handed	Red Cap	Peanuts
Jackie Robinson	Fastball	Gold Bat	Left Handed	Blue Cap	Peanuts
Clayton Kershaw	Fastball	Neon Glove	Right Handed	Red Cap	Peanuts
Ernie Banks	Curveball	Gold Bat	Left Handed	Blue Cap	Sunflower Seeds
Julio Rodriguez	Fastball	Neon Glove	Left Handed	Red Cap	Peanuts
Willie Mays	Slider	Shiny Helmet	Left Handed	Red Cap	Sunflower Seeds
Hank Aaron	Changeup	Radar Gun	Left Handed	Red Cap	Peanuts
Jose Altuve	Curveball	Radar Gun	Left Handed	Blue Cap	Peanuts
Gerrit Cole	Knuckleball	Shiny Helmet	Left Handed	Green Cap	Sunflower Seeds
Ted Williams	Knuckleball	Shiny Helmet	Right Handed	Red Cap	Bubble Gum
Babe Ruth	Curveball	Radar Gun	Left Handed	Red Cap	Peanuts
Derek Jeter	Fastball	Shiny Helmet	Left Handed	Blue Cap	Sunflower Seeds
Freddie Freeman	Curveball	Gold Bat	Right Handed	Green Cap	Peanuts
Bryce Harper	Fastball	Gold Bat	Right Handed	Blue Cap	Peanuts
Shohei Ohtani	Fastball	Neon Glove	Left Handed	Green Cap	Sunflower Seeds
Mookie Betts	Slider	Gold Bat	Left Handed	Blue Cap	Peanuts
Roberto Clemente	Fastball	Pine Tar	Left Handed	Red Cap	Peanuts
Cal Ripken	Knuckleball	Shiny Helmet	Left Handed	Blue Cap	Peanuts
Mike Trout	Slider	Radar Gun	Left Handed	Blue Cap	Peanuts
Justin Verlander	Slider	Shiny Helmet	Left Handed	Red Cap	Bubble Gum

CLUE 1 Addition

The detective tallied up all the stray baseballs left in the dugout to uncover the first clue.

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

T															T			
2077	6197	6923	2604	4296	9480	9480	6916	4296	4416	5302	4296	5302	4416	3709	2077	6109	4616	6923

				T		
8828	4296	4416	6923	2077	6916	5997

962 + 1115 = → T	2257 + 1452 = → O	2863 + 3134 = → R
4939 + 3889 = → P	1986 + 4123 = → U	3140 + 3057 = → H
2577 + 1839 = → N	1314 + 1290 = → V	2151 + 4772 = → E
2124 + 2492 = → S	3313 + 1989 = → D	4376 + 5104 = → L
1839 + 2457 = → I	2589 + 4327 = → A	

Scratch space:

CLUE 2

Multiplication facts (1-12)

By checking rows of stadium seats arranged in equal sections, a secret code was revealed.

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

T					T												T
20	120	33	108	55	20	72	33	40	40	40	36	108	36	3	33	44	20

								T	T		
120	36	72	80	33	80	4	36	20	20	33	121

$2 \times 10 = \square \rightarrow \boxed{\text{T}}$

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

$11 \times 3 = \square \rightarrow \boxed{\text{E}}$

$5 \times 8 = \square \rightarrow \boxed{\text{S}}$

$12 \times 9 = \square \rightarrow \boxed{\text{W}}$

$12 \times 10 = \square \rightarrow \boxed{\text{H}}$

$12 \times 6 = \square \rightarrow \boxed{\text{N}}$

$11 \times 11 = \square \rightarrow \boxed{\text{R}}$

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

$12 \times 3 = \square \rightarrow \boxed{\text{A}}$

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

$1 \times 4 = \square \rightarrow \boxed{\text{B}}$

$4 \times 11 = \square \rightarrow \boxed{\text{F}}$

Scratch space:

CLUE 3

Rounding

The speed pitch radar screen rounded the pitch speed to the nearest ten to display a clue.

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

P										P	P							
500	30	90	2900	370	900	300	900	50	90	500	500	30	2000	900	230	30		
							P											
50	370	2900	90	170	90	200	500	1100	90	200	30	50						

Round 483 to the nearest hundred → **P**

Round 374 to the nearest ten → **U**

Round 33 to the nearest ten → **E**

Round 1,068 to the nearest hundred → **L**

Round 266 to the nearest hundred → **S**

Round 46 to the nearest ten → **R**

Round 2,487 to the nearest thousand → **D**

Round 167 to the nearest ten → **W**

Round 163 to the nearest hundred → **Y**

Round 2,877 to the nearest hundred → **N**

Round 934 to the nearest hundred → **T**

Round 227 to the nearest ten → **H**

Round 91 to the nearest ten → **A**

Scratch space:

CLUE 4 Skip counting

Counting the light poles along the outfield fence by fives uncovered another piece of evidence.

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

R									R						
22	35	120	80	24	26	45	24	90	22	18	80	30	24	12	
45	28	110	10	120	24	20	16	28	27	35	26	9	24	20	35

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 → **R**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 → **U**

Skip-count by 10s. Fill the blank: 10, 20, __, 40, 50 → **W**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, __, 27, 30 → **A**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 → **N**

Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 → **S**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 → **M**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 → **D**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 → **I**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 → **F**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 → **P**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 → **C**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 → **O**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 → **B**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 → **H**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 → **E**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 → **T**

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **L**

Scratch space:

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

Dividing a box of souvenir mini bats equally among the ballkids unlocked the final mystery.

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:

$20 \div 5 = \boxed{}$

$77 \div 7 = \boxed{}$

$30 \div 6 = \boxed{}$

$120 \div 10 = \boxed{}$

$8 \div 1 = \boxed{}$

$18 \div 9 = \boxed{}$

$5 \div 5 = \boxed{}$

$48 \div 8 = \boxed{}$

$40 \div 4 = \boxed{}$

$27 \div 9 = \boxed{}$

$14 \div 2 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain threw a sneaky slider, then aimed the radar gun.
2. The villain threw a wild knuckleball, then flashed the neon glove.
3. The villain threw a sneaky slider, then used the pine tar.
4. The villain threw a slow changeup, then aimed the radar gun.
5. The villain threw a sharp curveball, then aimed the radar gun.
6. The villain threw a sharp curveball, then used the pine tar.
7. The villain threw a fast fastball, then aimed the radar gun.
8. The villain threw a sharp curveball, then adjusted the shiny helmet.
9. The villain threw a fast fastball, then flashed the neon glove.
10. The villain threw a slow changeup, then swung the gold bat.
11. The villain threw a sharp curveball, then swung the gold bat.
12. The villain threw a fast fastball, then adjusted the shiny helmet.

Answer Key

The Great Championship Trophy Mystery

Culprit: Julio Rodriguez

Fastball · Neon Glove · Left Handed · Red Cap · Peanuts

Trail: Start 21 → Clue 1 20 → Clue 2 15 → Clue 3 9 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DID NOT USE PINE TAR"

$962 + 1115 = 2077$ (T) · $2257 + 1452 = 3709$ (O) · $2863 + 3134 = 5997$ (R) · $4939 + 3889 = 8828$ (P) · $1986 + 4123 = 6109$ (U) · $3140 + 3057 = 6197$ (H) · $2577 + 1839 = 4416$ (N) · $1314 + 1290 = 2604$ (V) · $2151 + 4772 = 6923$ (E) · $2124 + 2492 = 4616$ (S) · $3313 + 1989 = 5302$ (D) · $4376 + 5104 = 9480$ (L) · $1839 + 2457 = 4296$ (I) · $2589 + 4327 = 6916$ (A)

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

$2 \times 10 = 20$ (T) · $5 \times 11 = 55$ (I) · $11 \times 3 = 33$ (E) · $5 \times 8 = 40$ (S) · $12 \times 9 = 108$ (W) · $12 \times 10 = 120$ (H) · $12 \times 6 = 72$ (N) · $11 \times 11 = 121$ (R) · $3 \times 1 = 3$ (L) · $12 \times 3 = 36$ (A) · $8 \times 10 = 80$ (D) · $1 \times 4 = 4$ (B) · $4 \times 11 = 44$ (F)

Clue 3 (Rounding): "PEANUTS TRAPPED THE RUNAWAY PLAYER"

Round 483 to the nearest hundred = 500 (P) · Round 374 to the nearest ten = 370 (U) · Round 33 to the nearest ten = 30 (E) · Round 1,068 to the nearest hundred = 1100 (L) · Round 266 to the nearest hundred = 300 (S) · Round 46 to the nearest ten = 50 (R) · Round 2,487 to the nearest thousand = 2000 (D) · Round 167 to the nearest ten = 170 (W) · Round 163 to the nearest hundred = 200 (Y) · Round 2,877 to the nearest hundred = 2900 (N) · Round 934 to the nearest hundred = 900 (T) · Round 227 to the nearest ten = 230 (H) · Round 91 to the nearest ten = 90 (A)

Clue 4 (Skip counting): "RED CAP FABRIC WAS FOUND AT HOME PLATE"

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (R) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (U) · Skip-count by 10s. Fill the blank: 10, 20, __, 40, 50 = 30 (W) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, __, 27, 30 = 24 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, __, 15, 18 = 12 (S) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (M) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (D) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 = 18 (I) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (F) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (P) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (O) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (B) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 = 35 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 = 20 (T) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (L)

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

$20 \div 5 = 4$ · $77 \div 7 = 11$ · $30 \div 6 = 5$ · $120 \div 10 = 12$ · $8 \div 1 = 8$ · $18 \div 9 = 2$ · $5 \div 5 = 1$ · $48 \div 8 = 6$ · $40 \div 4 = 10$ · $27 \div 9 = 3$ · $14 \div 2 = 7$