



The Great Tennis Court Mystery

Grade 2 math · Place value, Addition, Subtraction, Skip counting, Missing addends · Reading level grades 1-2

Detective: _____ Date: _____

The championship match is about to start, but the golden trophy is missing! A sneaky player hid it. Help Coach Maya solve the clues and find the culprit.

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 Racket Rogue is _____

Possible suspects

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

NAME	SHOT STYLE	SPECIAL GEAR	MAIN HAND	HEADWEAR	COURT WEAKNESS
Taylor	Power Smash	Glow Visor	Left Handed	Black Cap	Clay Court
Carlos	Power Smash	Golden Trophy	Right Handed	Black Cap	Loud Cheer
Serena	Slice Shot	Grip Tape	Right Handed	Red Sweatband	High Bounce
Roger	Lob Blast	Glow Visor	Right Handed	Blonde Ponytail	High Bounce
Stefanos	Power Smash	Neon Racket	Right Handed	Red Sweatband	Loud Cheer
Bianca	Slice Shot	Glow Visor	Right Handed	Blonde Ponytail	High Bounce
Venus	Lob Blast	Grip Tape	Left Handed	Red Sweatband	Loud Cheer
Aryna	Lob Blast	Glow Visor	Right Handed	Red Sweatband	Loud Cheer
Ben	Rocket Serve	Golden Trophy	Left Handed	Black Cap	Clay Court
Daniil	Spin Shot	Neon Racket	Right Handed	Black Cap	Loud Cheer
Jessica	Lob Blast	Turbo Shoes	Right Handed	Red Sweatband	Loud Cheer
Rafa	Rocket Serve	Turbo Shoes	Right Handed	Red Sweatband	Loud Cheer
Hubert	Spin Shot	Grip Tape	Right Handed	Red Sweatband	High Bounce
Andy	Rocket Serve	Turbo Shoes	Right Handed	Blonde Ponytail	Loud Cheer
Leylah	Slice Shot	Grip Tape	Right Handed	Black Cap	Loud Cheer
Maria	Slice Shot	Golden Trophy	Left Handed	Blonde Ponytail	Clay Court
Iga	Slice Shot	Glow Visor	Right Handed	Black Cap	Loud Cheer
Naomi	Lob Blast	Golden Trophy	Right Handed	Red Sweatband	Loud Cheer
Novak	Spin Shot	Golden Trophy	Right Handed	Blonde Ponytail	Loud Cheer
Coco	Power Smash	Golden Trophy	Right Handed	Red Sweatband	Loud Cheer
Sloane	Spin Shot	Grip Tape	Right Handed	Black Cap	High Bounce

CLUE 1 Place value

Check the scoreboard digits. Look at the tens and ones to unlock the first clue.

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

T																	
98	47	91	81	30	91	69	35	16	64	47	69	70	88	25	28	30	

						T				T							
54	28	91	81	30	28	98	26	81	91	98	26	38	52	28			

81	47	28	91	81													

What number has 9 tens and 8 ones? → **T**

What number has 3 tens and 5 ones? → **K**

What number has 9 tens and 1 one? → **E**

What number has 2 tens and 6 ones? → **U**

What number has 4 tens and 7 ones? → **H**

What number has 2 tens and 8 ones? → **O**

What number has 2 tens and 5 ones? → **I**

What number has 6 tens and 9 ones? → **A**

What number has 8 tens and 1 one? → **S**

What number has 6 tens and 4 ones? → **C**

What number has 1 ten and 6 ones? → **Y**

What number has 8 tens and 8 ones? → **P**

What number has 3 tens and 0 ones? → **N**

What number has 5 tens and 2 ones? → **B**

What number has 5 tens and 4 ones? → **D**

What number has 3 tens and 8 ones? → **R**

What number has 7 tens and 0 ones? → **M**

Scratch space:

CLUE 2
Addition

Count the extra tennis balls in both baskets. Add them together for clue two.

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

T					T														
27	74	63	35	91	27	66	74	33	63	66	97	33	88	42	74	97	53	42	
				T															
33	30	37	74	27	74	91	60	88	63	88	37	33	30	46					

$17 + 10 = \square \rightarrow \text{**T**}$

$27 + 15 = \square \rightarrow \text{**S**}$

$28 + 38 = \square \rightarrow \text{**C**}$

$22 + 24 = \square \rightarrow \text{**P**}$

$22 + 13 = \square \rightarrow \text{**M**}$

$27 + 64 = \square \rightarrow \text{**A**}$

$19 + 11 = \square \rightarrow \text{**I**}$

$53 + 44 = \square \rightarrow \text{**O**}$

$19 + 41 = \square \rightarrow \text{**N**}$

$20 + 43 = \square \rightarrow \text{**E**}$

$51 + 37 = \square \rightarrow \text{**D**}$

$31 + 22 = \square \rightarrow \text{**W**}$

$49 + 25 = \square \rightarrow \text{**H**}$

$21 + 16 = \square \rightarrow \text{**G**}$

$23 + 10 = \square \rightarrow \text{**R**}$

Scratch space:

CLUE 3

Subtraction

Track how many practice balls flew out of bounds. Subtract to get clue three.

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

L																			
22	16	20	88	52	29	64	64	32	88	59	41	35	32	31	52	35	64	88	
										L									
35	29	64	35	32	59	52	81	40	26	22	31	40	64	32					

$40 - 18 = \square \rightarrow \boxed{\text{L}}$

$53 - 33 = \square \rightarrow \boxed{\text{U}}$

$55 - 15 = \square \rightarrow \boxed{\text{Y}}$

$95 - 7 = \square \rightarrow \boxed{\text{D}}$

$46 - 5 = \square \rightarrow \boxed{\text{S}}$

$71 - 19 = \square \rightarrow \boxed{\text{C}}$

$55 - 39 = \square \rightarrow \boxed{\text{O}}$

$41 - 6 = \square \rightarrow \boxed{\text{T}}$

$63 - 4 = \square \rightarrow \boxed{\text{I}}$

$118 - 37 = \square \rightarrow \boxed{\text{K}}$

$101 - 37 = \square \rightarrow \boxed{\text{E}}$

$38 - 7 = \square \rightarrow \boxed{\text{A}}$

$33 - 1 = \square \rightarrow \boxed{\text{R}}$

$64 - 38 = \square \rightarrow \boxed{\text{P}}$

$56 - 27 = \square \rightarrow \boxed{\text{H}}$

Scratch space:

CLUE 4 Skip counting

Count the rows of ball cans by twos. Skip count to find clue four.

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

R																		
65	16	55	140	90	16	21	10	70	21	39	55	140	39	21	12	12	16	55

20	39	10	16	39	39	25	140	39	16	10

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **R**

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90 → **B**

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 → **G**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 → **A**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 → **D**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 → **S**

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 → **I**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 → **N**

Scratch space:

CLUE 5**Missing addends - the last clue**

The racket rack has empty slots. Find the missing number to get the last 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:

$10 + \underline{\quad} = 13$

$4 + \underline{\quad} = 9$

$7 + \underline{\quad} = 16$

$6 + \underline{\quad} = 8$

$2 + \underline{\quad} = 9$

$1 + \underline{\quad} = 13$

$5 + \underline{\quad} = 13$

$9 + \underline{\quad} = 10$

$6 + \underline{\quad} = 17$

$3 + \underline{\quad} = 13$

$1 + \underline{\quad} = 7$

Step 2 - cross out the sentence with each answer:

1. The villain launches a lob blast, then wraps fresh grip tape.
2. The villain hits a spin shot, then flashes a neon racket.
3. The villain launches a lob blast, then grabs a golden trophy.
4. The villain smashes a power shot, then flashes a neon racket.
5. The villain launches a lob blast, then adjusts a glow visor.
6. The villain strikes a slice shot, then grabs a golden trophy.
7. The villain smashes a power shot, then adjusts a glow visor.
8. The villain launches a lob blast, then zips in turbo shoes.
9. The villain smashes a power shot, then grabs a golden trophy.
10. The villain smashes a power shot, then zips in turbo shoes.
11. The villain strikes a slice shot, then zips in turbo shoes.
12. The villain strikes a slice shot, then wraps fresh grip tape.

Answer Key

The Great Tennis Court Mystery

Culprit: Stefanos

Power Smash · Neon Racket · Right Handed · Red Sweatband · Loud Cheer

Trail: Start 21 → Clue 1 18 → Clue 2 14 → Clue 3 9 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE SNEAKY CHAMPION DOES NOT USE TURBO SHOES"

What number has 9 tens and 8 ones? = 98 (T) · What number has 3 tens and 5 ones? = 35 (K) · What number has 9 tens and 1 one? = 91 (E) · What number has 2 tens and 6 ones? = 26 (U) · What number has 4 tens and 7 ones? = 47 (H) · What number has 2 tens and 8 ones? = 28 (O) · What number has 2 tens and 5 ones? = 25 (I) · What number has 6 tens and 9 ones? = 69 (A) · What number has 8 tens and 1 one? = 81 (S) · What number has 6 tens and 4 ones? = 64 (C) · What number has 1 ten and 6 ones? = 16 (Y) · What number has 8 tens and 8 ones? = 88 (P) · What number has 3 tens and 0 ones? = 30 (N) · What number has 5 tens and 2 ones? = 52 (B) · What number has 5 tens and 4 ones? = 54 (D) · What number has 3 tens and 8 ones? = 38 (R) · What number has 7 tens and 0 ones? = 70 (M)

Clue 2 (Addition): "THE MATCH RECORD SHOWS RIGHT HANDED GRIP"

$17 + 10 = 27$ (T) · $27 + 15 = 42$ (S) · $28 + 38 = 66$ (C) · $22 + 24 = 46$ (P) · $22 + 13 = 35$ (M) · $27 + 64 = 91$ (A) · $19 + 11 = 30$ (I) · $53 + 44 = 97$ (O) · $19 + 41 = 60$ (N) · $20 + 43 = 63$ (E) · $51 + 37 = 88$ (D) · $31 + 22 = 53$ (W) · $49 + 25 = 74$ (H) · $21 + 16 = 37$ (G) · $23 + 10 = 33$ (R)

Clue 3 (Subtraction): "LOUD CHEER DISTRACTED THE TRICKY PLAYER"

$40 - 18 = 22$ (L) · $53 - 33 = 20$ (U) · $55 - 15 = 40$ (Y) · $95 - 7 = 88$ (D) · $46 - 5 = 41$ (S) · $71 - 19 = 52$ (C) · $55 - 39 = 16$ (O) · $41 - 6 = 35$ (T) · $63 - 4 = 59$ (I) · $118 - 37 = 81$ (K) · $101 - 37 = 64$ (E) · $38 - 7 = 31$ (A) · $33 - 1 = 32$ (R) · $64 - 38 = 26$ (P) · $56 - 27 = 29$ (H)

Clue 4 (Skip counting): "RED SWEATBAND SNAGGED ON TENNIS NET"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (R) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (T) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90 = 70 (B) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (W) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 = 12 (G) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (A) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (D) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, __, 22, 24 = 20 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (E) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 = 39 (N)

Clue 5 (Missing addends): surviving statement is box 4 → Stefanos

$10 + \underline{\quad} = 13 = 3$ · $4 + \underline{\quad} = 9 = 5$ · $7 + \underline{\quad} = 16 = 9$ · $6 + \underline{\quad} = 8 = 2$ · $2 + \underline{\quad} = 9 = 7$ · $1 + \underline{\quad} = 13 = 12$ · $5 + \underline{\quad} = 13 = 8$ · $9 + \underline{\quad} = 10 = 1$ · $6 + \underline{\quad} = 17 = 11$ · $3 + \underline{\quad} = 13 = 10$ · $1 + \underline{\quad} = 7 = 6$