



The Galactic Dino Cup Heist

Grade 2 math · Place value, Addition, Subtraction, Skip counting, Missing addends · Reading level grades 3-4

Detective: _____ Date: _____

The shiny Galactic Dino Trophy vanished right before the championship game! Detective Rex needs your math skills to inspect the cosmic pitch, gather clues, and catch the thief.

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 Starlight Striker is _____

Possible suspects

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

NAME	KICK STYLE	SPACE GEAR	KICKING FOOT	DINO FEATURE	WEAKNESS
Comet Pele	Plasma Dribble	Cosmic Gloves	Right Footed	Purple Crest	Bright Searchlight
Marta Meteor	Comet Tackle	Asteroid Shield	Left Footed	Silver Feathers	Bright Searchlight
Daisy Dino	Gravity Pass	Asteroid Shield	Left Footed	Purple Crest	Bright Searchlight
Toby Tyranno	Plasma Dribble	Cosmic Gloves	Left Footed	Green Scales	Whistle Blast
Chloe Comet	Comet Tackle	Laser Cleats	Right Footed	Purple Crest	Bright Searchlight
Orbit Tricera	Orbit Header	Laser Cleats	Right Footed	Purple Crest	Bright Searchlight
Sam Saturn	Orbit Header	Laser Cleats	Left Footed	Purple Crest	Bright Searchlight
Mia Starlight	Orbit Header	Cosmic Gloves	Right Footed	Purple Crest	Bright Searchlight
Nova Spino	Meteor Kick	Laser Cleats	Left Footed	Purple Crest	Whistle Blast
Kip Kuiper	Plasma Dribble	Starlight Cloak	Left Footed	Purple Crest	Bright Searchlight
Leo Galaxy	Gravity Pass	Cosmic Gloves	Left Footed	Green Scales	Slippery Banana
Rex Rocket	Orbit Header	Starlight Cloak	Right Footed	Silver Feathers	Slippery Banana
Dino Messi	Comet Tackle	Starlight Cloak	Left Footed	Silver Feathers	Bright Searchlight
Penny Pachy	Plasma Dribble	Laser Cleats	Left Footed	Green Scales	Whistle Blast
Vapor Velociraptor	Comet Tackle	Asteroid Shield	Right Footed	Silver Feathers	Slippery Banana
Ziggy Zaur	Meteor Kick	Rocket Boosters	Left Footed	Purple Crest	Bright Searchlight
Astro Raptor	Plasma Dribble	Cosmic Gloves	Left Footed	Purple Crest	Bright Searchlight
Megan Meteor	Gravity Pass	Rocket Boosters	Right Footed	Green Scales	Whistle Blast
Bruno Bronto	Comet Tackle	Cosmic Gloves	Right Footed	Silver Feathers	Slippery Banana
Cosmo Brachio	Meteor Kick	Cosmic Gloves	Left Footed	Green Scales	Slippery Banana
Benny Bigfoot	Orbit Header	Cosmic Gloves	Right Footed	Green Scales	Slippery Banana

CLUE 1 Place value

The stadium scoreboard flashed digit codes to reveal where the suspect fled.

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

T																T		
79	18	64	19	57	68	68	92	57	43	60	29	64	39	43	29	79		
27	39	64	92	43	92	39	79	64	36	29	57	60	39	18	57	64	68	60

What number has 7 tens and 9 ones? → **T**

What number has 6 tens and 0 ones? → **D**

What number has 5 tens and 7 ones? → **I**

What number has 1 ten and 9 ones? → **V**

What number has 9 tens and 2 ones? → **A**

What number has 4 tens and 3 ones? → **N**

What number has 3 tens and 9 ones? → **S**

What number has 3 tens and 6 ones? → **R**

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

What number has 2 tens and 9 ones? → **O**

What number has 2 tens and 7 ones? → **U**

What number has 6 tens and 8 ones? → **L**

What number has 1 ten and 8 ones? → **H**

Scratch space:

CLUE 2

9

$$16 + 21 = \boxed{} \rightarrow \boxed{\text{T}}$$

$28 + 21 = \boxed{} \rightarrow \boxed{\text{F}}$

$$41 + 51 = \boxed{} \rightarrow \boxed{\text{H}}$$

$32 + 16 = \square \rightarrow \boxed{\text{K}}$

$24 + 40 = \square \rightarrow \boxed{\mathbf{W}}$

$$34 + 26 = \boxed{} \rightarrow \boxed{\text{O}}$$

$55 + 40 = \square \rightarrow \boxed{\text{I}}$

$27 + 43 = \square \rightarrow \boxed{\text{U}}$

$36 + 51 = \boxed{} \rightarrow \boxed{\text{C}}$

$17 + 6 = \square \rightarrow \boxed{\text{S}}$

$18 + 16 = \boxed{} \rightarrow \boxed{\text{R}}$

$$42 + 33 = \boxed{} \rightarrow \boxed{\text{D}}$$

$30 + 29 = \square \rightarrow \boxed{\text{E}}$

$$27 + 61 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$34 + 59 = \boxed{} \rightarrow \boxed{\text{L}}$$

S

CLUE 3

Subtraction

The ref calculated how many space cones were missing from the drill.

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

A									A								
61	26	11	83	66	62	59	52	54	61	11	15	62	16	83	66	62	59
26	16	83	60	20	54	20	59	62	54	52	88	52	22	54	15	59	

$62 - 1 = \square \rightarrow \boxed{\text{A}}$

$24 - 8 = \square \rightarrow \boxed{\text{L}}$

$90 - 36 = \square \rightarrow \boxed{\text{E}}$

$127 - 39 = \square \rightarrow \boxed{\text{U}}$

$41 - 21 = \square \rightarrow \boxed{\text{D}}$

$88 - 26 = \square \rightarrow \boxed{\text{H}}$

$29 - 7 = \square \rightarrow \boxed{\text{P}}$

$99 - 16 = \square \rightarrow \boxed{\text{I}}$

$46 - 20 = \square \rightarrow \boxed{\text{B}}$

$75 - 9 = \square \rightarrow \boxed{\text{G}}$

$99 - 39 = \square \rightarrow \boxed{\text{N}}$

$31 - 16 = \square \rightarrow \boxed{\text{C}}$

$68 - 9 = \square \rightarrow \boxed{\text{T}}$

$62 - 10 = \square \rightarrow \boxed{\text{S}}$

$24 - 13 = \square \rightarrow \boxed{\text{R}}$

Scratch space:

CLUE 4 Skip counting

Detective Rex counted the glowing meteor markers in groups along the field.

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

A												A						
65	27	15	20	27	33	55	25	20	55	130	42	90	55	65	42	8	55	20
	A						A											
24	65	130	33	55	90	42	65	42	130	25	55	110	55					

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, __, 25, 30 → **R**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 → **L**

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

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 → **T**

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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **S**

Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 → **U**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 → **W**

Scratch space:

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

The team needed a full batch of energy drinks to complete the roster puzzle.

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:

$6 + \underline{\quad} = 7$

$4 + \underline{\quad} = 12$

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

$8 + \underline{\quad} = 15$

$5 + \underline{\quad} = 10$

$2 + \underline{\quad} = 13$

$9 + \underline{\quad} = 11$

$10 + \underline{\quad} = 20$

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

$10 + \underline{\quad} = 14$

$9 + \underline{\quad} = 15$

Step 2 - cross out the sentence with each answer:

1. The villain executed a plasma dribble, then put on cosmic gloves.
2. The villain used a meteor kick, then put on cosmic gloves.
3. The villain scored with an orbit header, then activated rocket boosters.
4. The villain executed a plasma dribble, then activated rocket boosters.
5. The villain executed a plasma dribble, then raised an asteroid shield.
6. The villain used a meteor kick, then turned on laser cleats.
7. The villain threw a gravity pass, then draped a starlight cloak.
8. The villain executed a plasma dribble, then draped a starlight cloak.
9. The villain used a meteor kick, then activated rocket boosters.
10. The villain made a comet tackle, then activated rocket boosters.
11. The villain threw a gravity pass, then raised an asteroid shield.
12. The villain scored with an orbit header, then turned on laser cleats.

Answer Key

The Galactic Dino Cup Heist

Culprit: Sam Saturn

Orbit Header · Laser Cleats · Left Footed · Purple Crest · Bright Searchlight

Trail: Start 21 → Clue 1 18 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT USE AN ASTEROID SHIELD"

What number has 7 tens and 9 ones? = 79 (T) · What number has 6 tens and 0 ones? = 60 (D) · What number has 5 tens and 7 ones? = 57 (I) · What number has 1 ten and 9 ones? = 19 (V) · What number has 9 tens and 2 ones? = 92 (A) · What number has 4 tens and 3 ones? = 43 (N) · What number has 3 tens and 9 ones? = 39 (S) · What number has 3 tens and 6 ones? = 36 (R) · What number has 6 tens and 4 ones? = 64 (E) · What number has 2 tens and 9 ones? = 29 (O) · What number has 2 tens and 7 ones? = 27 (U) · What number has 6 tens and 8 ones? = 68 (L) · What number has 1 ten and 8 ones? = 18 (H)

Clue 2 (Addition): "THE SUSPECT KICKED WITH THEIR LEFT FOOT"

$16 + 21 = 37$ (T) · $28 + 21 = 49$ (F) · $41 + 51 = 92$ (H) · $32 + 16 = 48$ (K) · $24 + 40 = 64$ (W) · $34 + 26 = 60$ (O) · $55 + 40 = 95$ (I) · $27 + 43 = 70$ (U) · $36 + 51 = 87$ (C) · $17 + 6 = 23$ (S) · $18 + 16 = 34$ (R) · $42 + 33 = 75$ (D) · $30 + 29 = 59$ (E) · $27 + 61 = 88$ (P) · $34 + 59 = 93$ (L)

Clue 3 (Subtraction): "A BRIGHT SEARCHLIGHT BLINDED THE SUSPECT"

$62 - 1 = 61$ (A) · $24 - 8 = 16$ (L) · $90 - 36 = 54$ (E) · $127 - 39 = 88$ (U) · $41 - 21 = 20$ (D) · $88 - 26 = 62$ (H) · $29 - 7 = 22$ (P) · $99 - 16 = 83$ (I) · $46 - 20 = 26$ (B) · $75 - 9 = 66$ (G) · $99 - 39 = 60$ (N) · $31 - 16 = 15$ (C) · $68 - 9 = 59$ (T) · $62 - 10 = 52$ (S) · $24 - 13 = 11$ (R)

Clue 4 (Skip counting): "A PURPLE CREST FEATHER WAS LEFT AT SCENE"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (A) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, __, 25, 30 = 20 (R) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (L) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (E) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (C) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (P) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (F) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (S) · Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 = 15 (U) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 = 24 (W)

Clue 5 (Missing addends): surviving statement is box 12 → Sam Saturn

$6 + \underline{\quad} = 7 = 1$ · $4 + \underline{\quad} = 12 = 8$ · $7 + \underline{\quad} = 16 = 9$ · $8 + \underline{\quad} = 15 = 7$ · $5 + \underline{\quad} = 10 = 5$ · $2 + \underline{\quad} = 13 = 11$ · $9 + \underline{\quad} = 11 = 2$ · $10 + \underline{\quad} = 20 = 10$ · $10 + \underline{\quad} = 13 = 3$ · $10 + \underline{\quad} = 14 = 4$ · $9 + \underline{\quad} = 15 = 6$