



The Great Galactic Dino-Cup Heist

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

Detective: _____ Date: _____

The Galactic Dino-Soccer Championship is in ruins! A sneaky Robo-Pirate Raptor has stolen the Golden Asteroid Trophy right from under the Head Referee Bot's nose. Coach T-Rex needs your detective skills to find out which player went rogue!

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 Robo-Pirate Raptor is _____

Possible suspects

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

NAME	SUPER KICK	PIRATE GEAR	KICKING FOOT	ENGINE SPARK	SYSTEM BUG
Robo Megan	Fireball Blast	Laser Hook	Left Footed Kick	Blue Spark Glow	Magnet Fields
Beckham Bolt	Fireball Blast	Solar Sails	Right Footed Kick	Orange Spark Glow	Magnet Fields
Cruyff Circuit	Sonic Roar	Rocket Boosters	Left Footed Kick	Green Spark Glow	Salty Water
Alex Morganoid	Sonic Roar	Rocket Boosters	Right Footed Kick	Orange Spark Glow	Magnet Fields
Neymar Raptor	Sonic Roar	Laser Hook	Right Footed Kick	Orange Spark Glow	Magnet Fields
Sun Wen Star	Fireball Blast	Rocket Boosters	Right Footed Kick	Orange Spark Glow	Magnet Fields
Salah Spark	Fireball Blast	Rocket Boosters	Left Footed Kick	Green Spark Glow	Rusty Gears
Zidane Zinc	Sonic Roar	Solar Sails	Right Footed Kick	Orange Spark Glow	Magnet Fields
Pirlo Pirate	Laser Dribble	Laser Hook	Right Footed Kick	Green Spark Glow	Salty Water
Suarez Saur	Tractor Beam	Iron Anchor	Right Footed Kick	Orange Spark Glow	Rusty Gears
Messi Bot	Magnetic Trap	Iron Anchor	Left Footed Kick	Green Spark Glow	Magnet Fields
Dino Drogba	Laser Dribble	Rocket Boosters	Left Footed Kick	Green Spark Glow	Magnet Fields
Kane Comet	Sonic Roar	Cyber Tail	Left Footed Kick	Orange Spark Glow	Salty Water
Marta Matrix	Fireball Blast	Cyber Tail	Right Footed Kick	Orange Spark Glow	Magnet Fields
Kakabot	Magnetic Trap	Rocket Boosters	Left Footed Kick	Green Spark Glow	Magnet Fields
Sinclair Steel	Sonic Roar	Rocket Boosters	Left Footed Kick	Orange Spark Glow	Magnet Fields
Haaland Hook	Fireball Blast	Laser Hook	Right Footed Kick	Blue Spark Glow	Magnet Fields
Ronaldo Rex	Magnetic Trap	Iron Anchor	Left Footed Kick	Orange Spark Glow	Magnet Fields
Mbappe Byte	Laser Dribble	Iron Anchor	Right Footed Kick	Blue Spark Glow	Magnet Fields
Pegleg Pele	Tractor Beam	Rocket Boosters	Left Footed Kick	Green Spark Glow	Magnet Fields
Rapinoe Rust	Magnetic Trap	Rocket Boosters	Left Footed Kick	Blue Spark Glow	Salty Water

CLUE 1 Addition

We tallied the total scrap metal parts left behind in the locker room. Adding up the piles gives us our first clue.

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

550 636 950

918 216 239 239 849 216 723 795 636 958 831 723 636 550

864 849 918 958 831 636 239 849 858 831 849 216 239 831

$$240 + 310 = \boxed{} \rightarrow \boxed{\text{T}}$$

$279 + 357 = \boxed{} \rightarrow \boxed{\text{O}}$

$$291 + 627 = \boxed{} \rightarrow \boxed{\mathbf{v}}$$

$$582 + 376 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$96 + 120 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$337 + 512 = \boxed{} \rightarrow \boxed{\mathbf{A}}$$

$$411 + 420 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$89 + 150 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$317 + 547 = \boxed{} \rightarrow \boxed{\text{H}}$$

$416 + 307 = \boxed{} \rightarrow \boxed{\text{N}}$

$245 + 550 = \boxed{} \rightarrow \boxed{\text{D}}$

$$533 + 325 = \boxed{} \rightarrow \boxed{\text{R}}$$

Scratch space:

Subtraction

The scoreboard lost power when the thief ran past. Subtracting the broken lights from the total reveals a trail.

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

A number line from 0 to 1000 with boxes for numbers and a 'W' for the word 'write'.

Number	Word
754	write
369	
484	
415	
754	write
415	
620	
785	
872	
805	
835	
426	
247	
247	
835	
885	
620	
785	
322	
835	
785	
322	
835	
805	
369	
484	
885	
415	
551	
369	
838	
355	
484	
835	

$$960 - 206 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

$$915 - 110 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$559 - 312 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$742 - 191 = \boxed{} \rightarrow \boxed{\text{C}}$$

717 - 348 = → **E**

$$1086 - 301 = \boxed{} \rightarrow \boxed{}$$

$654 - 228 = \boxed{} \rightarrow \boxed{\text{F}}$

$374 - 52 = \boxed{} \rightarrow \boxed{\text{N}}$

$976 - 141 = \boxed{} \rightarrow \boxed{\text{T}}$

$$726 - 371 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$503 - 19 = \boxed{} \rightarrow \boxed{\mathbf{S}}$$

$1080 - 208 = \boxed{} \rightarrow \boxed{\text{G}}$

$$994 - 374 = \boxed{} \rightarrow \boxed{\text{R}}$$

$630 - 215 = \boxed{} \rightarrow \boxed{\mathbf{A}}$

$1008 - 123 = \boxed{} \rightarrow \boxed{\text{P}}$

$914 - 76 = \boxed{} \rightarrow \boxed{\text{D}}$

Scratch space:

CLUE 3

Multiplication facts (1-12)

We found rows of identical robotic soccer cleats lined up by the exit. Multiplying the rows tells us who wore them.

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

A								A							A				
63	110	40	70	50	64	81	1	63	81	64	18	40	40	70	63	25	25	18	49

						A		A						
40	90	18	70	66	64	63	48	63	27	70	50	88	50	40

$9 \times 7 = \square \rightarrow \boxed{\text{A}}$

$6 \times 8 = \square \rightarrow \boxed{\text{W}}$

$9 \times 9 = \square \rightarrow \boxed{\text{G}}$

$8 \times 11 = \square \rightarrow \boxed{\text{B}}$

$8 \times 8 = \square \rightarrow \boxed{\text{N}}$

$1 \times 1 = \square \rightarrow \boxed{\text{M}}$

$11 \times 10 = \square \rightarrow \boxed{\text{S}}$

$5 \times 5 = \square \rightarrow \boxed{\text{P}}$

$10 \times 7 = \square \rightarrow \boxed{\text{R}}$

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

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

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

$6 \times 3 = \square \rightarrow \boxed{\text{E}}$

$10 \times 9 = \square \rightarrow \boxed{\text{H}}$

$10 \times 5 = \square \rightarrow \boxed{\text{O}}$

$6 \times 11 = \square \rightarrow \boxed{\text{U}}$

Scratch space:

CLUE 4

Our radar scanner is glitched and only shows rounded numbers for weight. Rounding to the nearest ten reveals a huge lead.

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

20 400 2000 500 40 30 2000 300 40 700 800 90 20 20 2000 7000 40 200

90 300 40 200 60 2000 700 800 40 300 3000 60 70 90 8000

Round 23 to the nearest ten $\rightarrow$ **T**

Round 197 to the nearest hundred $\rightarrow$ **N**

Round 541 to the nearest hundred $\rightarrow$ **C**

Round 7,732 to the nearest thousand $\rightarrow$ **W**

Round 284 to the nearest hundred $\rightarrow$ **R**

Round 363 to the nearest hundred $\rightarrow$ **H**

Round 2,956 to the nearest thousand $\rightarrow$ **K**

Round 33 to the nearest ten $\rightarrow$ **M**

Round 94 to the nearest ten $\rightarrow$ **0**

Round 60 to the nearest ten $\rightarrow$ **G**

Round 43 to the nearest ten $\rightarrow$ **A**

Round 1,949 to the nearest thousand → **E**

Round 7,313 to the nearest thousand → **D**

Round 840 to the nearest hundred $\rightarrow$ **P**

Round 71 to the nearest ten $\rightarrow$ **L**

Round 670 to the nearest hundred $\rightarrow$ **S**

Scratch space:

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

The security team shared the remaining power packs equally among the guard bots. Dividing the packs leads us to the culprit.

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:

$49 \div 7 = \boxed{}$

$28 \div 7 = \boxed{}$

$60 \div 6 = \boxed{}$

$15 \div 5 = \boxed{}$

$108 \div 12 = \boxed{}$

$54 \div 9 = \boxed{}$

$66 \div 6 = \boxed{}$

$5 \div 1 = \boxed{}$

$64 \div 8 = \boxed{}$

$144 \div 12 = \boxed{}$

$12 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain swiped the golden soccer ball, then zoomed off on rocket boots.
2. The villain swiped the golden soccer ball, then dashed through the wormhole.
3. The villain stole the team captain playbook, then escaped in a rusty space rocket.
4. The villain swiped the golden soccer ball, then sailed away on solar wind.
5. The villain zapped the goalie laser net, then zoomed off on rocket boots.
6. The villain hacked the stadium scoreboard, then dashed through the wormhole.
7. The villain blasted the championship trophy, then stomped into the deep crater.
8. The villain hacked the stadium scoreboard, then sailed away on solar wind.
9. The villain hacked the stadium scoreboard, then escaped in a rusty space rocket.
10. The villain blasted the championship trophy, then sailed away on solar wind.
11. The villain hacked the stadium scoreboard, then stomped into the deep crater.
12. The villain blasted the championship trophy, then dashed through the wormhole.

Answer Key

The Great Galactic Dino-Cup Heist

Culprit: Neymar Raptor

Sonic Roar · Laser Hook · Right Footed Kick · Orange Spark Glow · Magnet Fields

Trail: Start 21 → Clue 1 19 → Clue 2 8 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT HAVE SOLAR SAILS"

$240 + 310 = 550$ (T) · $279 + 357 = 636$ (O) · $291 + 627 = 918$ (V) · $582 + 376 = 958$ (E) · $96 + 120 = 216$ (I) · $337 + 512 = 849$ (A) · $411 + 420 = 831$ (S) · $89 + 150 = 239$ (L) · $317 + 547 = 864$ (H) · $416 + 307 = 723$ (N) · $245 + 550 = 795$ (D) · $533 + 325 = 858$ (R)

Clue 2 (Subtraction): "WE SAW A RIGHT FOOT PRINT IN THE SPACE DUST"

$960 - 206 = 754$ (W) · $915 - 110 = 805$ (H) · $559 - 312 = 247$ (O) · $742 - 191 = 551$ (C) · $717 - 348 = 369$ (E) · $1086 - 301 = 785$ (I) · $654 - 228 = 426$ (F) · $374 - 52 = 322$ (N) · $976 - 141 = 835$ (T) · $726 - 371 = 355$ (U) · $503 - 19 = 484$ (S) · $1080 - 208 = 872$ (G) · $994 - 374 = 620$ (R) · $630 - 215 = 415$ (A) · $1008 - 123 = 885$ (P) · $914 - 76 = 838$ (D)

Clue 3 (Multiplication facts (1-12)): "A STRONG MAGNET TRAPPED THE RUNAWAY ROBOT"

$9 \times 7 = 63$ (A) · $6 \times 8 = 48$ (W) · $9 \times 9 = 81$ (G) · $8 \times 11 = 88$ (B) · $8 \times 8 = 64$ (N) · $1 \times 1 = 1$ (M) · $11 \times 10 = 110$ (S) · $5 \times 5 = 25$ (P) · $10 \times 7 = 70$ (R) · $7 \times 7 = 49$ (D) · $4 \times 10 = 40$ (T) · $9 \times 3 = 27$ (Y) · $6 \times 3 = 18$ (E) · $10 \times 9 = 90$ (H) · $10 \times 5 = 50$ (O) · $6 \times 11 = 66$ (U)

Clue 4 (Rounding): "THE CAMERA SPOTTED AN ORANGE SPARK GLOW"

Round 23 to the nearest ten = 20 (T) · Round 197 to the nearest hundred = 200 (N) · Round 541 to the nearest hundred = 500 (C) · Round 7,732 to the nearest thousand = 8000 (W) · Round 284 to the nearest hundred = 300 (R) · Round 363 to the nearest hundred = 400 (H) · Round 2,956 to the nearest thousand = 3000 (K) · Round 33 to the nearest ten = 30 (M) · Round 94 to the nearest ten = 90 (O) · Round 60 to the nearest ten = 60 (G) · Round 43 to the nearest ten = 40 (A) · Round 1,949 to the nearest thousand = 2000 (E) · Round 7,313 to the nearest thousand = 7000 (D) · Round 840 to the nearest hundred = 800 (P) · Round 71 to the nearest ten = 70 (L) · Round 670 to the nearest hundred = 700 (S)

Clue 5 (Division facts (1-12)): surviving statement is box 1 → Neymar Raptor

$49 \div 7 = 7$ · $28 \div 7 = 4$ · $60 \div 6 = 10$ · $15 \div 5 = 3$ · $108 \div 12 = 9$ · $54 \div 9 = 6$ · $66 \div 6 = 11$ · $5 \div 1 = 5$ · $64 \div 8 = 8$ · $144 \div 12 = 12$ · $12 \div 6 = 2$