



The Great Cyber-Dino Heist

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

Detective: _____ **Date:** _____

Oh no! A sneaky space-dino bandit has raided the blocky shipyard of Sector Nine and stolen the Golden Redstone Engine. Captain Bolt and the Star-Dino Fleet need your help to trace the clues, solve the math, and find the real thief before they warp away!

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 Space-Dino Bandit is _____

Possible suspects

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

NAME	SPACE ABILITY	SPECIAL GEAR	OBSERVED HOOK	WIRED MOHAWK	FOIL ITEM
Creeper Cody	Gravity Ray	Plasma Sword	Right Hook	Red Mohawk	Rust Spray
Captain Rex	Laser Claw	Force Field	Right Hook	Blue Mohawk	Magnet Net
Cpt Gold-Block	Laser Claw	Force Field	Left Hook	Green Mohawk	Magnet Net
Enderman Ed	Laser Claw	Mega Drill	Right Hook	Green Mohawk	Slick Ice Blocks
Tricera-Chip	Rocket Tail	Obsidian Shield	Right Hook	Blue Mohawk	Slick Ice Blocks
Stego-Beard	Jetpack Jump	Digging Claw	Right Hook	Blue Mohawk	Slick Ice Blocks
Plank-Walker Bot	Sonic Roar	Mega Drill	Left Hook	Red Mohawk	Rust Spray
Sir Gears-a-Lot	Laser Claw	Mega Drill	Right Hook	Blue Mohawk	Slick Ice Blocks
Bucky Bot	Laser Claw	Obsidian Shield	Right Hook	Blue Mohawk	Magnet Net
Metal Mike	Sonic Roar	Plasma Sword	Right Hook	Green Mohawk	Rust Spray
Byte-Size Beard	Rocket Tail	Digging Claw	Right Hook	Blue Mohawk	Magnet Net
Laser Raptor	Jetpack Jump	Digging Claw	Right Hook	Red Mohawk	Slick Ice Blocks
Cyber-Claw	Sonic Roar	Force Field	Right Hook	Blue Mohawk	Slick Ice Blocks
Raptor Rusty	Jetpack Jump	Force Field	Right Hook	Red Mohawk	Slick Ice Blocks
Pegleg Rocky	Jetpack Jump	Digging Claw	Left Hook	Blue Mohawk	Slick Ice Blocks
Barnaby Bolt	Rocket Tail	Plasma Sword	Right Hook	Blue Mohawk	Slick Ice Blocks
Captain T-Rex	Gravity Ray	Digging Claw	Left Hook	Green Mohawk	Magnet Net
Scurvy Steve	Laser Claw	Obsidian Shield	Left Hook	Blue Mohawk	Slick Ice Blocks
Rusty Redstone	Gravity Ray	Obsidian Shield	Right Hook	Red Mohawk	Rust Spray
Scurvy Spino	Sonic Roar	Obsidian Shield	Left Hook	Blue Mohawk	Magnet Net
Robo-Beard	Gravity Ray	Mega Drill	Left Hook	Blue Mohawk	Magnet Net

CLUE 1 Addition

Captain Bolt counts the empty crates in the cargo hold. Add the redstone dust piles to find the total missing blocks.

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

T 4240	7736	3428	T 4240	7736	3990	3428	8516	9259	2938	3428	5312	5463	2938	T 4240	7736	6461	7256	3428
6461	9259	3990	3004	3004	3990	5463	3004	4687	6974	6461	2650							

$1451 + 2789 = \square \rightarrow \boxed{\text{T}}$

$3632 + 4884 = \square \rightarrow \boxed{\text{F}}$

$1291 + 1647 = \square \rightarrow \boxed{\text{O}}$

$1682 + 968 = \square \rightarrow \boxed{\text{W}}$

$2651 + 1339 = \square \rightarrow \boxed{\text{I}}$

$2589 + 4667 = \square \rightarrow \boxed{\text{V}}$

$1923 + 2764 = \square \rightarrow \boxed{\text{C}}$

$1895 + 1533 = \square \rightarrow \boxed{\text{E}}$

$2497 + 4477 = \square \rightarrow \boxed{\text{L}}$

$2814 + 2498 = \square \rightarrow \boxed{\text{S}}$

$1999 + 3464 = \square \rightarrow \boxed{\text{N}}$

$2066 + 4395 = \square \rightarrow \boxed{\text{A}}$

$2881 + 4855 = \square \rightarrow \boxed{\text{H}}$

$1149 + 1855 = \square \rightarrow \boxed{\text{G}}$

$4388 + 4871 = \square \rightarrow \boxed{\text{D}}$

Scratch space:

CLUE 2 Rounding

The pirate ship radar is fuzzy and only displays rounded gravity levels. Round the scanner reading to track their jump vector.

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

W				W														
70	1300	7000	50	70	50	430	30	50	7000	20	90	430	50	700	110	290	20	130
20	90	90	900															

Round 70 to the nearest ten → **W**

Round 48 to the nearest ten → **A**

Round 434 to the nearest ten → **F**

Round 126 to the nearest ten → **T**

Round 919 to the nearest hundred → **K**

Round 94 to the nearest ten → **O**

Round 1,327 to the nearest hundred → **E**

Round 28 to the nearest ten → **L**

Round 680 to the nearest hundred → **R**

Round 17 to the nearest ten → **H**

Round 107 to the nearest ten → **I**

Round 7,473 to the nearest thousand → **S**

Round 287 to the nearest ten → **G**

Scratch space:

CLUE 3
Subtraction

The thief dropped cargo during their escape. Subtract the spilled fuel canisters to see how much energy they have left.

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

T								T									
2316	3080	5107	6758	5579	6538	4524	4169	2316	3019	6206	4169	2533	2533	5107	4524	4617	6538

3019	6206	4169	4947	4480	4169	4947	5107	6758	6206	4617	4947	4480	3019

$3197 - 881 = \boxed{} \rightarrow \boxed{\text{T}}$

$6472 - 893 = \boxed{} \rightarrow \boxed{\text{A}}$

$11484 - 4726 = \boxed{} \rightarrow \boxed{\text{B}}$

$4578 - 409 = \boxed{} \rightarrow \boxed{\text{I}}$

$7017 - 2493 = \boxed{} \rightarrow \boxed{\text{D}}$

$6397 - 1917 = \boxed{} \rightarrow \boxed{\text{K}}$

$6135 - 1518 = \boxed{} \rightarrow \boxed{\text{O}}$

$4875 - 1856 = \boxed{} \rightarrow \boxed{\text{S}}$

$9139 - 4192 = \boxed{} \rightarrow \boxed{\text{C}}$

$7761 - 2654 = \boxed{} \rightarrow \boxed{\text{E}}$

$6548 - 342 = \boxed{} \rightarrow \boxed{\text{L}}$

$5079 - 1999 = \boxed{} \rightarrow \boxed{\text{H}}$

$8411 - 1873 = \boxed{} \rightarrow \boxed{\text{N}}$

$7368 - 4835 = \boxed{} \rightarrow \boxed{\text{P}}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

The hangar has several rows of storage bays. Multiply the rows by the lockers to find where the thief hid the map.

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

W										W									
48	5	72	55	7	42	6	22	54	100	55	48	70	42	54	45	100	7	5	
				W															
27	55	144	22	48	84														

$12 \times 4 = \square \rightarrow \boxed{W}$

$7 \times 6 = \square \rightarrow \boxed{N}$

$2 \times 3 = \square \rightarrow \boxed{D}$

$5 \times 9 = \square \rightarrow \boxed{B}$

$10 \times 7 = \square \rightarrow \boxed{I}$

$12 \times 7 = \square \rightarrow \boxed{K}$

$9 \times 6 = \square \rightarrow \boxed{G}$

$10 \times 10 = \square \rightarrow \boxed{L}$

$7 \times 1 = \square \rightarrow \boxed{U}$

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

$9 \times 3 = \square \rightarrow \boxed{M}$

$12 \times 6 = \square \rightarrow \boxed{F}$

$5 \times 1 = \square \rightarrow \boxed{E}$

$11 \times 5 = \square \rightarrow \boxed{O}$

$2 \times 11 = \square \rightarrow \boxed{A}$

Scratch space:

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

We found the bandit's crew sharing stolen crystals. Divide the energy gems equally to reveal which escape pod they used.

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:

$80 \div 10 = \boxed{}$

$2 \div 2 = \boxed{}$

$11 \div 1 = \boxed{}$

$6 \div 3 = \boxed{}$

$60 \div 10 = \boxed{}$

$72 \div 6 = \boxed{}$

$42 \div 6 = \boxed{}$

$24 \div 8 = \boxed{}$

$12 \div 3 = \boxed{}$

$20 \div 4 = \boxed{}$

$9 \div 1 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain swung from the pirate rigging, then scooped up the golden chest.
2. The villain hacked the redstone lock, then stole the robot power core.
3. The villain stomped across the hangar, then snatched the laser cannon blueprint.
4. The villain swung from the pirate rigging, then grabbed the glowing fuel cells.
5. The villain zoomed past the laser grid, then stole the robot power core.
6. The villain zoomed past the laser grid, then grabbed the glowing fuel cells.
7. The villain blasted through the blast doors, then snatched the laser cannon blueprint.
8. The villain swung from the pirate rigging, then stole the robot power core.
9. The villain swung from the pirate rigging, then snatched the laser cannon blueprint.
10. The villain blasted through the blast doors, then grabbed the glowing fuel cells.
11. The villain zoomed past the laser grid, then plundered the diamond block hoard.
12. The villain stomped across the hangar, then stole the robot power core.

Answer Key

The Great Cyber-Dino Heist

Culprit: Sir Gears-a-Lot

Laser Claw · Mega Drill · Right Hook · Blue Mohawk · Slick Ice Blocks

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE THIEF DOES NOT HAVE A DIGGING CLAW"

$1451 + 2789 = 4240$ (T) · $3632 + 4884 = 8516$ (F) · $1291 + 1647 = 2938$ (O) · $1682 + 968 = 2650$ (W) · $2651 + 1339 = 3990$ (I) · $2589 + 4667 = 7256$ (V) · $1923 + 2764 = 4687$ (C) · $1895 + 1533 = 3428$ (E) · $2497 + 4477 = 6974$ (L) · $2814 + 2498 = 5312$ (S) · $1999 + 3464 = 5463$ (N) · $2066 + 4395 = 6461$ (A) · $2881 + 4855 = 7736$ (H) · $1149 + 1855 = 3004$ (G) · $4388 + 4871 = 9259$ (D)

Clue 2 (Rounding): "WE SAW A FLASH OF A RIGHT HOOK"

Round 70 to the nearest ten = 70 (W) · Round 48 to the nearest ten = 50 (A) · Round 434 to the nearest ten = 430 (F) · Round 126 to the nearest ten = 130 (T) · Round 919 to the nearest hundred = 900 (K) · Round 94 to the nearest ten = 90 (O) · Round 1,327 to the nearest hundred = 1300 (E) · Round 28 to the nearest ten = 30 (L) · Round 680 to the nearest hundred = 700 (R) · Round 17 to the nearest ten = 20 (H) · Round 107 to the nearest ten = 110 (I) · Round 7,473 to the nearest thousand = 7000 (S) · Round 287 to the nearest ten = 290 (G)

Clue 3 (Subtraction): "THE BANDIT SLIPPED ON SLICK ICE BLOCKS"

$3197 - 881 = 2316$ (T) · $6472 - 893 = 5579$ (A) · $11484 - 4726 = 6758$ (B) · $4578 - 409 = 4169$ (I) · $7017 - 2493 = 4524$ (D) · $6397 - 1917 = 4480$ (K) · $6135 - 1518 = 4617$ (O) · $4875 - 1856 = 3019$ (S) · $9139 - 4192 = 4947$ (C) · $7761 - 2654 = 5107$ (E) · $6548 - 342 = 6206$ (L) · $5079 - 1999 = 3080$ (H) · $8411 - 1873 = 6538$ (N) · $7368 - 4835 = 2533$ (P)

Clue 4 (Multiplication facts (1-12)): "WE FOUND A GLOWING BLUE MOHAWK"

$12 \times 4 = 48$ (W) · $7 \times 6 = 42$ (N) · $2 \times 3 = 6$ (D) · $5 \times 9 = 45$ (B) · $10 \times 7 = 70$ (I) · $12 \times 7 = 84$ (K) · $9 \times 6 = 54$ (G) · $10 \times 10 = 100$ (L) · $7 \times 1 = 7$ (U) · $12 \times 12 = 144$ (H) · $9 \times 3 = 27$ (M) · $12 \times 6 = 72$ (F) · $5 \times 1 = 5$ (E) · $11 \times 5 = 55$ (O) · $2 \times 11 = 22$ (A)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → Sir Gears-a-Lot

$80 \div 10 = 8$ · $2 \div 2 = 1$ · $11 \div 1 = 11$ · $6 \div 3 = 2$ · $60 \div 10 = 6$ · $72 \div 6 = 12$ · $42 \div 6 = 7$ · $24 \div 8 = 3$ · $12 \div 3 = 4$ · $20 \div 4 = 5$ · $9 \div 1 = 9$