



The Isla Verde Golden Pineapple Mystery

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

Detective: _____ Date: _____

The Golden Pineapple has been swiped from the Isla Verde camp! The rogue explorer left a trail of muddy bootprints and tricky traps. We need to crack the clues, find out who did it, and recover the artifact before they sail 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 rogue explorer is _____

Possible suspects

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

NAME	JUNGLE GEAR	ESCAPE VEHICLE	MAP HAND	EXPLORER HAT	FEAR
Ruby Jewel	climbing boots	mini helicopter	right handed	pith helmet	scared of spiders
Gemma Stone	grappling hook	bamboo raft	right handed	fedora hat	scared of spiders
Leo Finder	super flashlight	speedy airboat	left handed	fedora hat	scared of spiders
Zack Compass	machete tool	mini helicopter	right handed	fedora hat	scared of snakes
Maya Temple	climbing boots	bumpy dirtbike	right handed	pith helmet	scared of snakes
Lara Croft	super flashlight	zipline harness	left handed	fedora hat	scared of bats
Kiara Scout	climbing boots	zipline harness	left handed	fedora hat	scared of spiders
Steve Irwin	grappling hook	mini helicopter	left handed	safari cap	scared of spiders
Sven Tracker	machete tool	speedy airboat	right handed	safari cap	scared of spiders
Jack Hunter	rope ladder	bumpy dirtbike	right handed	pith helmet	scared of snakes
Penny Finder	grappling hook	bamboo raft	right handed	safari cap	scared of bats
Rex Fossil	machete tool	bumpy dirtbike	right handed	pith helmet	scared of spiders
Ben Trailblazer	grappling hook	bamboo raft	right handed	pith helmet	scared of spiders
Owen Tracker	super flashlight	speedy airboat	right handed	pith helmet	scared of bats
Diego Marquez	climbing boots	bumpy dirtbike	left handed	safari cap	scared of snakes
Tess Explorer	rope ladder	bamboo raft	right handed	safari cap	scared of snakes
Zoe Mapmaker	grappling hook	zipline harness	right handed	pith helmet	scared of snakes
Indiana Jones	climbing boots	bumpy dirtbike	left handed	pith helmet	scared of spiders
Dora Marquez	machete tool	bamboo raft	right handed	pith helmet	scared of spiders
Max Ranger	machete tool	zipline harness	right handed	pith helmet	scared of spiders
Barnaby Jones	climbing boots	zipline harness	left handed	safari cap	scared of snakes

CLUE 1

We found an old digital compass dropped near the temple gates. The screen is cracked, so it only shows rounded directions to the nearest ten yards. Rounding these distances gives us our first clue about the getaway vehicle.

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

Diagram illustrating a sequence of numbers arranged in two rows of boxes. The top row contains 15 boxes with values: 600, 2000, 70, 50, 300, 200, 9000, 70, 80, 5000, 80, 7000, 300, 600, 9000, 30, 70, 6000. The bottom row contains 15 boxes with values: 800, 5000, 7000, 5000, 2000, 70, 20, 5000, 3000, 300, 40, 600, 70, 50. The boxes containing 600 in the top row and 600 in the bottom row are highlighted in orange and labeled with a red 'T'.

Round 566 to the nearest hundred $\rightarrow$ **T**

Round 50 to the nearest ten $\rightarrow$ **R**

Round 44 to the nearest ten $\rightarrow$ **P**

Round 5,750 to the nearest thousand → **A**

Round 8,519 to the nearest thousand →

Round 76 to the nearest ten $\rightarrow$ **D**

Round 69 to the nearest ten $\rightarrow$ **E**

Round 30 to the nearest ten $\rightarrow$ **S**

Round 7,107 to the nearest thousand → **N**

Round 215 to the nearest hundred → **G**

Round 344 to the nearest hundred $\rightarrow$

Round 3,268 to the nearest thousand → **C**

Round 2,386 to the nearest thousand → **H**

Round 19 to the nearest ten $\rightarrow$ **L**

Round 4,633 to the nearest thousand $\rightarrow$

Round 829 to the nearest hundred → **M**

Scratch space:

CLUE 2 Addition

The team finds a messy camp table with scattered supplies. If we add up all the juice boxes and energy bars left behind, we can figure out what hand the thief used to grab the map.

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

T						T											
299	429	585	816	448	766	299	491	984	323	369	260	323	766	429	585	980	816

		T						T					
856	763	299	429	585	968	856	331	429	299	429	323	763	816

$130 + 169 = \square \rightarrow \text{D}$

$248 + 121 = \square \rightarrow \text{P}$

$559 + 257 = \square \rightarrow \text{D}$

$309 + 659 = \square \rightarrow \text{R}$

$401 + 455 = \square \rightarrow \text{I}$

$184 + 245 = \square \rightarrow \text{H}$

$392 + 592 = \square \rightarrow \text{M}$

$323 + 168 = \square \rightarrow \text{Y}$

$302 + 464 = \square \rightarrow \text{S}$

$121 + 210 = \square \rightarrow \text{G}$

$436 + 544 = \square \rightarrow \text{L}$

$277 + 308 = \square \rightarrow \text{E}$

$327 + 436 = \square \rightarrow \text{N}$

$175 + 148 = \square \rightarrow \text{A}$

$162 + 286 = \square \rightarrow \text{U}$

$81 + 179 = \square \rightarrow \text{W}$

Scratch space:

CLUE 3
Subtraction

We inspect the supply crate near the ancient ruins. Subtracting the broken tools from the total tells us what creature made the villain run away in fear.

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

T															
861	176	460	898	542	692	383	692	672	692	898	560	542	522	101	692

T												
861	582	383	898	701	348	582	216	460	542	672	460	856

936 - 75 = → T	296 - 80 = → D	714 - 42 = → W
546 - 163 = → N	1165 - 309 = → B	974 - 392 = → I
873 - 331 = → R	1039 - 347 = → A	689 - 129 = → F
1023 - 322 = → S	525 - 349 = → H	918 - 396 = → O
563 - 215 = → P	395 - 294 = → M	518 - 58 = → E
1131 - 233 = → Y		

Scratch space:

CLUE 4

Multiplication facts (1-12)

Deep in the dark cave, we find rows of ancient statues. Counting the statues in each row and multiplying them reveals a scrap of fabric from the thief's hat.

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

W														
60	44	108	8	45	81	110	132	22	132	81	77	27	22	48
48	44	100	64	44	22	25	22	96	132	77				

$6 \times 10 = \square \rightarrow \boxed{\text{W}}$

$2 \times 11 = \square \rightarrow \boxed{\text{T}}$

$11 \times 12 = \square \rightarrow \boxed{\text{A}}$

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

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

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

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

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

$9 \times 5 = \square \rightarrow \boxed{\text{U}}$

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

$4 \times 12 = \square \rightarrow \boxed{\text{H}}$

$4 \times 2 = \square \rightarrow \boxed{\text{O}}$

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

$11 \times 7 = \square \rightarrow \boxed{\text{P}}$

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

$12 \times 8 = \square \rightarrow \boxed{\text{R}}$

Scratch space:

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

To open the heavy stone door, we have to share our shiny river stones equally among the team. Dividing them up gives us the final secret to crack the case.

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:

$16 \div 4 = \boxed{}$

$16 \div 2 = \boxed{}$

$60 \div 12 = \boxed{}$

$36 \div 12 = \boxed{}$

$11 \div 1 = \boxed{}$

$90 \div 10 = \boxed{}$

$5 \div 5 = \boxed{}$

$84 \div 12 = \boxed{}$

$48 \div 4 = \boxed{}$

$54 \div 9 = \boxed{}$

$18 \div 9 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain climbed down into the deep ravine using a rope ladder, then slid across the canyon on a zipline harness.
2. The villain swung across the muddy river with a grappling hook, then slid across the canyon on a zipline harness.
3. The villain scaled the slippery temple wall in climbing boots, then roared away through the mud on a bumpy dirtbike.
4. The villain chopped through thick jungle vines with a machete tool, then slid across the canyon on a zipline harness.
5. The villain swung across the muddy river with a grappling hook, then paddled down the rushing creek on a bamboo raft.
6. The villain swung across the muddy river with a grappling hook, then sped down the river on a speedy airboat.
7. The villain climbed down into the deep ravine using a rope ladder, then sped down the river on a speedy airboat.
8. The villain chopped through thick jungle vines with a machete tool, then paddled down the rushing creek on a bamboo raft.
9. The villain scaled the slippery temple wall in climbing boots, then slid across the canyon on a zipline harness.
10. The villain chopped through thick jungle vines with a machete tool, then roared away through the mud on a bumpy dirtbike.
11. The villain searched the dark stone tunnel with a super flashlight, then roared away through the mud on a bumpy dirtbike.
12. The villain scaled the slippery temple wall in climbing boots, then paddled down the rushing creek on a bamboo raft.

Answer Key

The Isla Verde Golden Pineapple Mystery

Culprit: Rex Fossil

machete tool · bumpy dirtbike · right handed · pith helmet · scared of spiders

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE ROGUE DID NOT USE A MINI HELICOPTER"

Round 566 to the nearest hundred = 600 (T) · Round 50 to the nearest ten = 50 (R) · Round 44 to the nearest ten = 40 (P) · Round 5,750 to the nearest thousand = 6000 (A) · Round 8,519 to the nearest thousand = 9000 (U) · Round 76 to the nearest ten = 80 (D) · Round 69 to the nearest ten = 70 (E) · Round 30 to the nearest ten = 30 (S) · Round 7,107 to the nearest thousand = 7000 (N) · Round 215 to the nearest hundred = 200 (G) · Round 344 to the nearest hundred = 300 (O) · Round 3,268 to the nearest thousand = 3000 (C) · Round 2,386 to the nearest thousand = 2000 (H) · Round 19 to the nearest ten = 20 (L) · Round 4,633 to the nearest thousand = 5000 (I) · Round 829 to the nearest hundred = 800 (M)

Clue 2 (Addition): "THE DUSTY MAP WAS HELD IN THE RIGHT HAND"

$130 + 169 = 299$ (T) · $248 + 121 = 369$ (P) · $559 + 257 = 816$ (D) · $309 + 659 = 968$ (R) · $401 + 455 = 856$ (I) · $184 + 245 = 429$ (H) · $392 + 592 = 984$ (M) · $323 + 168 = 491$ (Y) · $302 + 464 = 766$ (S) · $121 + 210 = 331$ (G) · $436 + 544 = 980$ (L) · $277 + 308 = 585$ (E) · $327 + 436 = 763$ (N) · $175 + 148 = 323$ (A) · $162 + 286 = 448$ (U) · $81 + 179 = 260$ (W)

Clue 3 (Subtraction): "THEY RAN AWAY FROM A TINY SPIDERWEB"

$936 - 75 = 861$ (T) · $296 - 80 = 216$ (D) · $714 - 42 = 672$ (W) · $546 - 163 = 383$ (N) · $1165 - 309 = 856$ (B) · $974 - 392 = 582$ (I) · $873 - 331 = 542$ (R) · $1039 - 347 = 692$ (A) · $689 - 129 = 560$ (F) · $1023 - 322 = 701$ (S) · $525 - 349 = 176$ (H) · $918 - 396 = 522$ (O) · $563 - 215 = 348$ (P) · $395 - 294 = 101$ (M) · $518 - 58 = 460$ (E) · $1131 - 233 = 898$ (Y)

Clue 4 (Multiplication facts (1-12)): "WE FOUND A TAN PITH HELMET STRAP"

$6 \times 10 = 60$ (W) · $2 \times 11 = 22$ (T) · $11 \times 12 = 132$ (A) · $8 \times 8 = 64$ (M) · $11 \times 4 = 44$ (E) · $12 \times 9 = 108$ (F) · $10 \times 10 = 100$ (L) · $11 \times 10 = 110$ (D) · $9 \times 5 = 45$ (U) · $9 \times 9 = 81$ (N) · $4 \times 12 = 48$ (H) · $4 \times 2 = 8$ (O) · $9 \times 3 = 27$ (I) · $11 \times 7 = 77$ (P) · $5 \times 5 = 25$ (S) · $12 \times 8 = 96$ (R)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → Rex Fossil

$16 \div 4 = 4$ · $16 \div 2 = 8$ · $60 \div 12 = 5$ · $36 \div 12 = 3$ · $11 \div 1 = 11$ · $90 \div 10 = 9$ · $5 \div 5 = 1$ · $84 \div 12 = 7$ · $48 \div 4 = 12$ · $54 \div 9 = 6$ · $18 \div 9 = 2$