



The Canopy Temple Mystery

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

Detective: _____ Date: _____

An sneaky Rogue Ranger has stolen the ancient Golden Compass from the Chief Archeologist's treehouse camp! We need to track them down using clues left in the mud and vines.

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 Ranger is _____

Possible suspects

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

NAME	ADVENTURE TOOL	JUNGLE PET	FOOTPRINT TYPE	HAT COLOR	FEAR
Lara Croft	Vibrant Slingshot	Golden Toucan	Right Boot Mark	Brown Fedora	Fear of Water
Robin Hood	Brass Compass	Chattering Monkey	Left Boot Mark	Red Bandana	Fear of Bugs
Kiara Savannah	Vibrant Slingshot	Spotted Panther	Left Boot Mark	Red Bandana	Fear of Bugs
Link Forest	Laser Flashlight	Sneaky Parrot	Right Boot Mark	Red Bandana	Fear of Water
Nathan Drake	Brass Compass	Golden Toucan	Left Boot Mark	Brown Fedora	Fear of Bugs
Diego Rescue	Laser Flashlight	Golden Toucan	Right Boot Mark	Red Bandana	Fear of Bugs
Henry Hudson	Brass Compass	Spotted Panther	Right Boot Mark	Green Helmet	Fear of Water
Sacagawea Path	Brass Compass	Spotted Panther	Left Boot Mark	Brown Fedora	Fear of Heights
Lewis Ranger	Laser Flashlight	Chattering Monkey	Left Boot Mark	Red Bandana	Fear of Water
Indiana Jones	Vibrant Slingshot	Bright Tree Frog	Right Boot Mark	Brown Fedora	Fear of Bugs
Jacques Cousteau	Brass Compass	Bright Tree Frog	Left Boot Mark	Red Bandana	Fear of Water
Steve Irwin	Laser Flashlight	Golden Toucan	Left Boot Mark	Red Bandana	Fear of Bugs
Nellie Bly	Brass Compass	Chattering Monkey	Right Boot Mark	Green Helmet	Fear of Heights
Daniel Boone	Vibrant Slingshot	Golden Toucan	Left Boot Mark	Brown Fedora	Fear of Bugs
Zelda Wild	Jungle Machete	Golden Toucan	Left Boot Mark	Red Bandana	Fear of Bugs
Dora Explorer	Jungle Machete	Spotted Panther	Left Boot Mark	Brown Fedora	Fear of Heights
Marco Polo	Brass Compass	Golden Toucan	Left Boot Mark	Red Bandana	Fear of Heights
Jane Goodall	Grappling Hook	Golden Toucan	Right Boot Mark	Brown Fedora	Fear of Water
Bindi Jungle	Vibrant Slingshot	Bright Tree Frog	Left Boot Mark	Red Bandana	Fear of Bugs
Alonzo Trail	Laser Flashlight	Spotted Panther	Right Boot Mark	Green Helmet	Fear of Bugs
Clark Scout	Brass Compass	Spotted Panther	Left Boot Mark	Red Bandana	Fear of Water

CLUE 1

Our ancient jungle radar is old and only shows numbers rounded to the nearest ten. We estimated the footsteps of the fleeing suspect to decode this clue.

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

130 370 500 200 5000 230 230 2300 5000 3700 1300 430 500 900 3700 430 130

370 2300 200 500 2300 130 3000 500 500 1700 3000 430 7000

Round 134 to the nearest ten $\rightarrow$ **T**

Round 2,274 to the nearest hundred $\rightarrow$ **A**

Round 6,918 to the nearest thousand → **G**

Round 1,707 to the nearest hundred → **F**

Round 3,004 to the nearest thousand → **R**

Round 3,673 to the nearest hundred $\rightarrow$ **N**

Round 170 to the nearest hundred $\rightarrow$ **V**

Round 906 to the nearest hundred $\rightarrow$ **S**

Round 1,304 to the nearest hundred → **D**

Round 5,417 to the nearest thousand $\rightarrow$

Round 478 to the nearest hundred $\rightarrow$ **E**

Round 434 to the nearest ten $\rightarrow$

Round 230 to the nearest ten $\rightarrow$ **L**

Round 373 to the nearest ten $\rightarrow$ **H**

Scratch space:

CLUE 2 Addition

We gathered all the fallen map pieces scattered along the forest floor. Adding them all up reveals a secret message written in invisible sap.

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

W															
2170	4123	5382	6415	7241	7048	3771	8473	3771	4123	4123	6973	9736	4123	5382	9000
3894	6415	6415	9000	2974	8473	2644	2918	7971	7048	9000	6910	4123	2974	7241	3771

$1087 + 1083 = \square \rightarrow$ W	$5441 + 3559 = \square \rightarrow$ T	$2854 + 1269 = \square \rightarrow$ E
$832 + 1812 = \square \rightarrow$ R	$2711 + 1183 = \square \rightarrow$ B	$1879 + 1039 = \square \rightarrow$ K
$4389 + 2852 = \square \rightarrow$ U	$2728 + 5243 = \square \rightarrow$ I	$4300 + 4173 = \square \rightarrow$ A
$2681 + 2701 = \square \rightarrow$ F	$3395 + 3653 = \square \rightarrow$ N	$1341 + 2430 = \square \rightarrow$ D
$3437 + 6299 = \square \rightarrow$ L	$2076 + 4834 = \square \rightarrow$ H	$1027 + 1947 = \square \rightarrow$ M
$2939 + 4034 = \square \rightarrow$ P	$2902 + 3513 = \square \rightarrow$ O	

Scratch space:

CLUE 3
Subtraction

The thief stole some of our trail supplies. By subtracting what is left from what we started with, we found the path they took!

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

T																			
6147	1959	8201	8592	1985	5914	5566	4933	7875	4474	8201	4154	8592	1985	4474	8201	1503	4470	8201	7875

	T		T											
1503	6147	1503	6147	8028	4933	4591	8592	6774	8028	7875	8201	4474		

9264 - 3117 = → T	2440 - 937 = → A	6653 - 2062 = → Y
6911 - 997 = → O	4940 - 2955 = → C	9348 - 3782 = → U
8888 - 296 = → S	5918 - 3959 = → H	9086 - 1211 = → D
5324 - 854 = → M	5876 - 943 = → N	5269 - 1115 = → L
7345 - 571 = → P	4924 - 450 = → R	10094 - 1893 = → E
9912 - 1884 = → I		

Scratch space:

CLUE 4

Multiplication facts (1-12)

We found a grid of ancient stone tiles blocking the temple gate. Multiplying the rows and columns opens the door to a hidden clue.

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

A											A			A		A	
108	55	121	72	81	12	35	121	20	64	55	108	49	64	108	49	108	
	A			A							A			A			
7	108	8	90	108	70	81	12	35	10	49	108	55	121	108	49	90	12

$12 \times 9 = \square \rightarrow$ A	$1 \times 8 = \square \rightarrow$ S	$11 \times 11 = \square \rightarrow$ R
$2 \times 5 = \square \rightarrow$ O	$9 \times 9 = \square \rightarrow$ G	$12 \times 1 = \square \rightarrow$ H
$9 \times 10 = \square \rightarrow$ C	$7 \times 7 = \square \rightarrow$ N	$10 \times 7 = \square \rightarrow$ U
$10 \times 2 = \square \rightarrow$ E	$5 \times 7 = \square \rightarrow$ T	$5 \times 11 = \square \rightarrow$ B
$6 \times 12 = \square \rightarrow$ I	$8 \times 8 = \square \rightarrow$ D	$7 \times 1 = \square \rightarrow$ W

Scratch space:

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

To search the river bank safely, we must split our team of junior rangers into equal groups. Sharing the gear fairly gives us our final lead.

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:

$54 \div 9 = \boxed{}$

$120 \div 12 = \boxed{}$

$72 \div 9 = \boxed{}$

$6 \div 6 = \boxed{}$

$5 \div 1 = \boxed{}$

$96 \div 8 = \boxed{}$

$90 \div 10 = \boxed{}$

$20 \div 5 = \boxed{}$

$18 \div 9 = \boxed{}$

$36 \div 12 = \boxed{}$

$77 \div 7 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain swings across the river using a grappling hook, then signals the getaway crew with a golden toucan.
2. The villain navigates the winding trails with a brass compass, then speeds past the mud traps with a spotted panther.
3. The villain distracts the camp guards with a vibrant slingshot, then escapes into the trees with a chattering monkey.
4. The villain lights up the dark cave with a laser flashlight, then shares secret map details with a sneaky parrot.
5. The villain navigates the winding trails with a brass compass, then signals the getaway crew with a golden toucan.
6. The villain distracts the camp guards with a vibrant slingshot, then speeds past the mud traps with a spotted panther.
7. The villain cuts through the thick vines with a jungle machete, then signals the getaway crew with a golden toucan.
8. The villain navigates the winding trails with a brass compass, then escapes into the trees with a chattering monkey.
9. The villain distracts the camp guards with a vibrant slingshot, then shares secret map details with a sneaky parrot.
10. The villain lights up the dark cave with a laser flashlight, then signals the getaway crew with a golden toucan.
11. The villain lights up the dark cave with a laser flashlight, then speeds past the mud traps with a spotted panther.
12. The villain swings across the river using a grappling hook, then shares secret map details with a sneaky parrot.

Answer Key

The Canopy Temple Mystery

Culprit: Zelda Wild

Jungle Machete · Golden Toucan · Left Boot Mark · Red Bandana · Fear of Bugs

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT HAVE A TREE FROG"

Round 134 to the nearest ten = 130 (T) · Round 2,274 to the nearest hundred = 2300 (A) · Round 6,918 to the nearest thousand = 7000 (G) · Round 1,707 to the nearest hundred = 1700 (F) · Round 3,004 to the nearest thousand = 3000 (R) · Round 3,673 to the nearest hundred = 3700 (N) · Round 170 to the nearest hundred = 200 (V) · Round 906 to the nearest hundred = 900 (S) · Round 1,304 to the nearest hundred = 1300 (D) · Round 5,417 to the nearest thousand = 5000 (I) · Round 478 to the nearest hundred = 500 (E) · Round 434 to the nearest ten = 430 (O) · Round 230 to the nearest ten = 230 (L) · Round 373 to the nearest ten = 370 (H)

Clue 2 (Addition): "WE FOUND A DEEP LEFT BOOT MARK IN THE MUD"

$1087 + 1083 = 2170$ (W) · $5441 + 3559 = 9000$ (T) · $2854 + 1269 = 4123$ (E) · $832 + 1812 = 2644$ (R) · $2711 + 1183 = 3894$ (B) · $1879 + 1039 = 2918$ (K) · $4389 + 2852 = 7241$ (U) · $2728 + 5243 = 7971$ (I) · $4300 + 4173 = 8473$ (A) · $2681 + 2701 = 5382$ (F) · $3395 + 3653 = 7048$ (N) · $1341 + 2430 = 3771$ (D) · $3437 + 6299 = 9736$ (L) · $2076 + 4834 = 6910$ (H) · $1027 + 1947 = 2974$ (M) · $2939 + 4034 = 6973$ (P) · $2902 + 3513 = 6415$ (O)

Clue 3 (Subtraction): "THE SCOUNDREL SCREAMED AT A TINY SPIDER"

$9264 - 3117 = 6147$ (T) · $2440 - 937 = 1503$ (A) · $6653 - 2062 = 4591$ (Y) · $6911 - 997 = 5914$ (O) · $4940 - 2955 = 1985$ (C) · $9348 - 3782 = 5566$ (U) · $8888 - 296 = 8592$ (S) · $5918 - 3959 = 1959$ (H) · $9086 - 1211 = 7875$ (D) · $5324 - 854 = 4470$ (M) · $5876 - 943 = 4933$ (N) · $5269 - 1115 = 4154$ (L) · $7345 - 571 = 6774$ (P) · $4924 - 450 = 4474$ (R) · $10094 - 1893 = 8201$ (E) · $9912 - 1884 = 8028$ (I)

Clue 4 (Multiplication facts (1-12)): "A BRIGHT RED BANDANA WAS CAUGHT ON A BRANCH"

$12 \times 9 = 108$ (A) · $1 \times 8 = 8$ (S) · $11 \times 11 = 121$ (R) · $2 \times 5 = 10$ (O) · $9 \times 9 = 81$ (G) · $12 \times 1 = 12$ (H) · $9 \times 10 = 90$ (C) · $7 \times 7 = 49$ (N) · $10 \times 7 = 70$ (U) · $10 \times 2 = 20$ (E) · $5 \times 7 = 35$ (T) · $5 \times 11 = 55$ (B) · $6 \times 12 = 72$ (I) · $8 \times 8 = 64$ (D) · $7 \times 1 = 7$ (W)

Clue 5 (Division facts (1-12)): surviving statement is box 7 → Zelda Wild

$54 \div 9 = 6$ · $120 \div 12 = 10$ · $72 \div 9 = 8$ · $6 \div 6 = 1$ · $5 \div 1 = 5$ · $96 \div 8 = 12$ · $90 \div 10 = 9$ · $20 \div 5 = 4$ · $18 \div 9 = 2$ · $36 \div 12 = 3$ · $77 \div 7 = 11$