



The Lost Temple Mystery

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

Detective: _____ Date: _____

Someone scrambled the compasses and took the golden idol from Whispering Jungle Camp! Detective, solve the math clues to identify the rogue explorer.

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	GEAR TOOL	COMPANION ANIMAL	WATCH WRIST	HAT STYLE	SNACK HABIT
Explorer Sam	Torch	Lizard	Left Wrist	Safari Cap	Trail Mix
Adventurer Ella	Torch	Falcon	Left Wrist	Safari Cap	Banana Chips
Surveyor Nora	Torch	Monkey	Left Wrist	Safari Cap	Trail Mix
Guide Tara	Machete	Monkey	Left Wrist	Bandana	Banana Chips
Captain Ben	Binoculars	Lizard	Left Wrist	Safari Cap	Banana Chips
Tracker Jack	Torch	Parrot	Right Wrist	Safari Cap	Dried Mango
Cartographer Ian	Binoculars	Parrot	Left Wrist	Safari Cap	Banana Chips
Professor Leo	Binoculars	Monkey	Right Wrist	Safari Cap	Dried Mango
Rover Luke	Grappling Hook	Monkey	Left Wrist	Pith Helmet	Banana Chips
Chief Toby	Grappling Hook	Monkey	Right Wrist	Safari Cap	Trail Mix
Navigator Eli	Compass	Monkey	Left Wrist	Safari Cap	Dried Mango
Scout Hazel	Compass	Otter	Right Wrist	Safari Cap	Dried Mango
Agent Zack	Machete	Lizard	Left Wrist	Pith Helmet	Trail Mix
Trekker Mason	Compass	Falcon	Left Wrist	Safari Cap	Banana Chips
Ranger Chloe	Grappling Hook	Parrot	Right Wrist	Safari Cap	Dried Mango
Ranger Owen	Grappling Hook	Lizard	Right Wrist	Safari Cap	Trail Mix
Botanist Lily	Compass	Falcon	Right Wrist	Bandana	Dried Mango
Maya Vance	Binoculars	Otter	Left Wrist	Safari Cap	Trail Mix
Pathfinder Zoe	Binoculars	Falcon	Right Wrist	Safari Cap	Banana Chips
Scout Penny	Machete	Falcon	Left Wrist	Bandana	Banana Chips
Trekker Max	Grappling Hook	Parrot	Left Wrist	Safari Cap	Banana Chips

CLUE 1 Addition

Camp Director Miller checks the gear crates to see what supplies the expedition needs.

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

T																T
431	352	513	487	964	499	499	299	964	800	312	601	513	952	800	601	431

T								T								
431	528	299	487	513	499	841	964	431	352	299	499	964	470	299	528	312

$182 + 249 = \square \rightarrow \boxed{\text{T}}$

$265 + 222 = \square \rightarrow \boxed{\text{V}}$

$342 + 157 = \square \rightarrow \boxed{\text{L}}$

$204 + 108 = \square \rightarrow \boxed{\text{D}}$

$185 + 416 = \square \rightarrow \boxed{\text{O}}$

$224 + 304 = \square \rightarrow \boxed{\text{R}}$

$471 + 329 = \square \rightarrow \boxed{\text{N}}$

$283 + 230 = \square \rightarrow \boxed{\text{E}}$

$600 + 352 = \square \rightarrow \boxed{\text{S}}$

$415 + 549 = \square \rightarrow \boxed{\text{I}}$

$196 + 103 = \square \rightarrow \boxed{\text{A}}$

$219 + 251 = \square \rightarrow \boxed{\text{Z}}$

$247 + 105 = \square \rightarrow \boxed{\text{H}}$

$325 + 516 = \square \rightarrow \boxed{\text{W}}$

Scratch space:

CLUE 2

Word problems

Tracker Jack counts up all the supply bundles brought by the porters today.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A witness saw the villain was

L							S	
33	53	76	59	62	10	54		59

.

Ranger Chloe lined up 3 rows of 11 tent peg. How many tent peg in all?

Answer: →

L

Ranger Chloe found 6 canteen yesterday and 53 more today. How many canteen in all?

Answer: →

T

Ranger Chloe found 3 tent peg yesterday and 50 more today. How many tent peg in all?

Answer: →

E

Ranger Chloe found 64 compass yesterday and 12 more today. How many compass in all?

Answer: →

F

Ranger Chloe found 48 rope coil yesterday and 14 more today. How many rope coil in all?

Answer: →

W

Ranger Chloe lined up 5 rows of 2 compass. How many compass in all?

Answer: →

R

Ranger Chloe lined up 6 rows of 9 canteen. How many canteen in all?

Answer: →

I

Scratch space:

Subtraction

Ranger Chloe checks how many canteen drops are left after crossing the river.

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

Diagram showing the distribution of 1000 people across 20 groups. The groups are arranged in two rows. The top row has 16 groups, and the bottom row has 4 groups. Each group is represented by a square box with a number below it. The numbers are: Row 1: 426, 572, 791, 257, 155, 220, 333, 630, 630, 791, 638, 791, 344, 630, 791, 630, 101, 797, 426, 572. Row 2: 869, 220, 344, 220, 344, 220, 566, 572, 797, 121, 868. The group with 426 people in the top row is highlighted with an orange background and a large orange 'T' inside the box.

$585 - 159 = \boxed{} \rightarrow \boxed{\text{T}}$

$$802 - 5 = \boxed{} \rightarrow \boxed{}$$

$319 - 99 = \boxed{} \rightarrow \boxed{\text{A}}$

$1146 - 277 = \boxed{} \rightarrow \boxed{\mathbf{B}}$

$762 - 132 = \boxed{} \rightarrow \boxed{\text{D}}$

$315 - 160 = \boxed{} \rightarrow \boxed{\text{U}}$

$$650 - 78 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$340 - 239 = \boxed{} \rightarrow \boxed{\text{W}}$$

$603 - 346 = \boxed{} \rightarrow \boxed{\mathbf{G}}$

$$1067 - 276 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$440 - 107 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$596 - 252 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$968 - 100 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$444 - 323 = \boxed{} \rightarrow \boxed{\text{P}}$$

$903 - 337 = \boxed{} \rightarrow \boxed{\text{C}}$

$$920 - 282 = \boxed{} \rightarrow \boxed{\text{F}}$$

Scratch space:

CLUE 4
Rounding

The jungle radar scanner shows rounded distance measurements to nearby camps.

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

A		A		A				A					A		
4000	8000	4000	900	4000	700	9000	6000	4000	500	500	9000	70	600	4000	8000
				A											
400	200	900	30	4000	30	30	20	200	8000	6000	200	70	200		

Round 3,581 to the nearest thousand → **A**

Round 431 to the nearest hundred → **L**

Round 28 to the nearest ten → **T**

Round 7,739 to the nearest thousand → **S**

Round 18 to the nearest ten → **H**

Round 69 to the nearest ten → **N**

Round 520 to the nearest hundred → **P**

Round 744 to the nearest hundred → **R**

Round 559 to the nearest hundred → **W**

Round 220 to the nearest hundred → **E**

Round 5,762 to the nearest thousand → **C**

Round 935 to the nearest hundred → **F**

Round 8,641 to the nearest thousand → **I**

Scratch space:

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

Professor Leo divides the trail maps evenly among the exploration teams.

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:

$12 \div 12 = \square$

$12 \div 1 = \square$

$72 \div 9 = \square$

$24 \div 4 = \square$

$6 \div 2 = \square$

$70 \div 7 = \square$

$108 \div 12 = \square$

$5 \div 1 = \square$

$14 \div 2 = \square$

$18 \div 9 = \square$

$11 \div 1 = \square$

Step 2 - cross out the sentence with each answer:

1. The villain scouted the canopy, then whistled to a parrot.
2. The villain scouted the canopy, then called a soaring falcon.
3. The villain lit the dark cavern, then calmed a friendly lizard.
4. The villain navigated through thorns, then called a soaring falcon.
5. The villain navigated through thorns, then signaled a trusty monkey.
6. The villain climbed the ancient wall, then called a soaring falcon.
7. The villain climbed the ancient wall, then fed a tame otter.
8. The villain lit the dark cavern, then called a soaring falcon.
9. The villain swung across the ravine, then called a soaring falcon.
10. The villain swung across the ravine, then fed a tame otter.
11. The villain swung across the ravine, then whistled to a parrot.
12. The villain climbed the ancient wall, then whistled to a parrot.

Answer Key

The Lost Temple Mystery

Culprit: Trekker Mason

Compass · Falcon · Left Wrist · Safari Cap · Banana Chips

Trail: Start 21 → Clue 1 17 → Clue 2 10 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT TRAVEL WITH A LIZARD"

$182 + 249 = 431$ (T) · $265 + 222 = 487$ (V) · $342 + 157 = 499$ (L) · $204 + 108 = 312$ (D) · $185 + 416 = 601$ (O) · $224 + 304 = 528$ (R) · $471 + 329 = 800$ (N) · $283 + 230 = 513$ (E) · $600 + 352 = 952$ (S) · $415 + 549 = 964$ (I) · $196 + 103 = 299$ (A) · $219 + 251 = 470$ (Z) · $247 + 105 = 352$ (H) · $325 + 516 = 841$ (W)

Clue 2 (Word problems): "LEFT WRIST"

Ranger Chloe lined up 3 rows of 11 tent peg. How many tent peg in all? = 33 (L) · Ranger Chloe found 6 canteen yesterday and 53 more today. How many canteen in all? = 59 (T) · Ranger Chloe found 3 tent peg yesterday and 50 more today. How many tent peg in all? = 53 (E) · Ranger Chloe found 64 compass yesterday and 12 more today. How many compass in all? = 76 (F) · Ranger Chloe found 48 rope coil yesterday and 14 more today. How many rope coil in all? = 62 (W) · Ranger Chloe lined up 5 rows of 2 compass. How many compass in all? = 10 (R) · Ranger Chloe lined up 6 rows of 9 canteen. How many canteen in all? = 54 (I)

Clue 3 (Subtraction): "THE GUARD DEFENDED WITH BANANA CHIPS"

$585 - 159 = 426$ (T) · $802 - 5 = 797$ (I) · $319 - 99 = 220$ (A) · $1146 - 277 = 869$ (B) · $762 - 132 = 630$ (D) · $315 - 160 = 155$ (U) · $650 - 78 = 572$ (H) · $340 - 239 = 101$ (W) · $603 - 346 = 257$ (G) · $1067 - 276 = 791$ (E) · $440 - 107 = 333$ (R) · $596 - 252 = 344$ (N) · $968 - 100 = 868$ (S) · $444 - 323 = 121$ (P) · $903 - 337 = 566$ (C) · $920 - 282 = 638$ (F)

Clue 4 (Rounding): "A SAFARI CAP PIN WAS LEFT AT THE SCENE"

Round 3,581 to the nearest thousand = 4000 (A) · Round 431 to the nearest hundred = 400 (L) · Round 28 to the nearest ten = 30 (T) · Round 7,739 to the nearest thousand = 8000 (S) · Round 18 to the nearest ten = 20 (H) · Round 69 to the nearest ten = 70 (N) · Round 520 to the nearest hundred = 500 (P) · Round 744 to the nearest hundred = 700 (R) · Round 559 to the nearest hundred = 600 (W) · Round 220 to the nearest hundred = 200 (E) · Round 5,762 to the nearest thousand = 6000 (C) · Round 935 to the nearest hundred = 900 (F) · Round 8,641 to the nearest thousand = 9000 (I)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Trekker Mason

$12 \div 12 = 1$ · $12 \div 1 = 12$ · $72 \div 9 = 8$ · $24 \div 4 = 6$ · $6 \div 2 = 3$ · $70 \div 7 = 10$ · $108 \div 12 = 9$ · $5 \div 1 = 5$ · $14 \div 2 = 7$ · $18 \div 9 = 2$ · $11 \div 1 = 11$